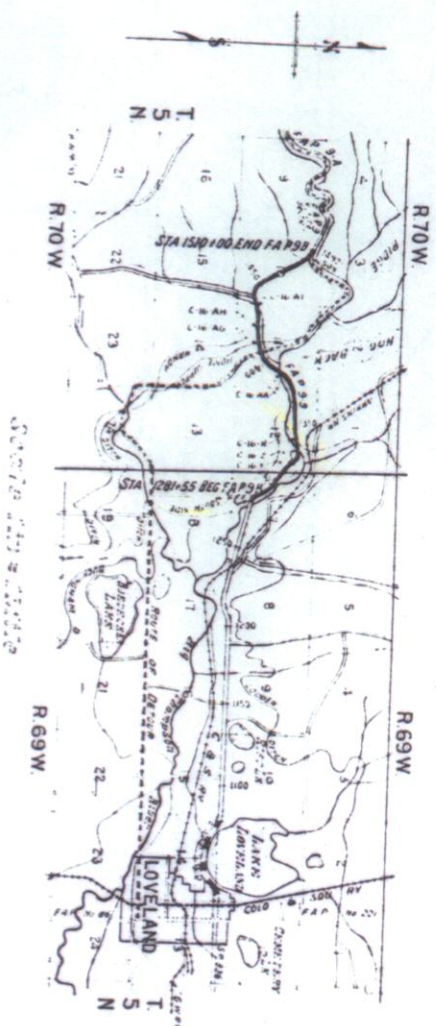


| CONST. DIVISION NO. 1 |                                 |
|-----------------------|---------------------------------|
| SHEET NO. 1           |                                 |
| 1                     | TITLE SHEET                     |
| 2                     | GENERAL SECTION & SUMMARY SHEET |
| 3                     | BRIDGE DETAILS - STA. 312+0     |
| 4                     |                                 |
| 24                    | STAND SUPERELEVATION SHEET      |
| 25                    | WIRE CABLE GUANO FENCE          |
| 26                    | WIRE FENCE & MARKERS            |
| 27                    | COVERED BOX CULVERTS            |
| 28.35                 | PLAY & POOTLE                   |
| 36.84                 | CROSS SECTIONS                  |

| CONSTRUCTION DIVISION NO. 2 |                                    |
|-----------------------------|------------------------------------|
| 2                           | TYPICAL SECTION & SUMMARY SHEET    |
| 2                           | TABLE OF BRIDGE QUANTITIES         |
| 23                          | DETAILS OF WATER CONDUIT STA 142+2 |
| 4-5                         | BRIDGE STA 123+2                   |
| 6-9                         | 13-0+2                             |
| 10                          | 1346+2                             |
| 11-14                       | 1388+2                             |
| 15-16                       | 1411+2                             |
| 17-18                       | 1425+2                             |
| 19-20                       | 1436+2                             |
| 21                          | 1421+2 STA 141+4                   |
| 22                          | STANDARD CONCRETE BOX CULVERTS     |
| 24                          | WIRE CEMENTATION SHEET             |
| 25                          | WIRE CABLE GUARD FENCE             |
| 26                          | WIRE FENCE & MARKERS               |
| 30-31                       | PLAN AND PROFILE                   |
| 44-46, 59-61, 65-72, 74-84  | CROSS SECTIONS                     |
| M-10-A                      |                                    |
| M-10-B                      |                                    |
| M-20 F                      |                                    |
| M-24 F                      |                                    |

| SCALES                                                   |                                             |
|----------------------------------------------------------|---------------------------------------------|
| ON PLAN,                                                 | 1 IN. = 100 FT.                             |
| ON PROFILE,                                              | 1 IN. = 100 FT. HORIZONTAL                  |
|                                                          | 1 IN. = 10 FT. VERTICAL                     |
| GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD |                                             |
| GROSS LENGTH OF PROJECT                                  | DIVISION NO. 1 - 17562.1 FEET = 3.326 MILES |
| NET LENGTH OF PROJECT                                    | - 2 2552.5                                  |
| TOTAL                                                    | 20114.6 = 3.809                             |



RIGHT OF WAY LINE \_\_\_\_\_ 140  
TOWNSHIP LINE \_\_\_\_\_  
SECTION LINE \_\_\_\_\_  
ONE QUARTER SECTION LINE \_\_\_\_\_  
WINE CARE GUARD FENCE .....  
BARBED WIRE FENCE .....  
RAILROADS .....  
POLE LINES .....

RECOMMENDED FOR APPROVAL 1/2  
*J. E. McNamee*  
 APPROVED ASST. DIST. ENGINEER  
*Chas. J. ...*  
 DIST. INDUSTRY ENGINEER  
 RECOMMENDED FOR APPROVAL  
 DIST. IND. WATER PUMPING NO. 2  
 RECOMMENDED FOR APPROVAL  
 DIST. IND. ...



TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

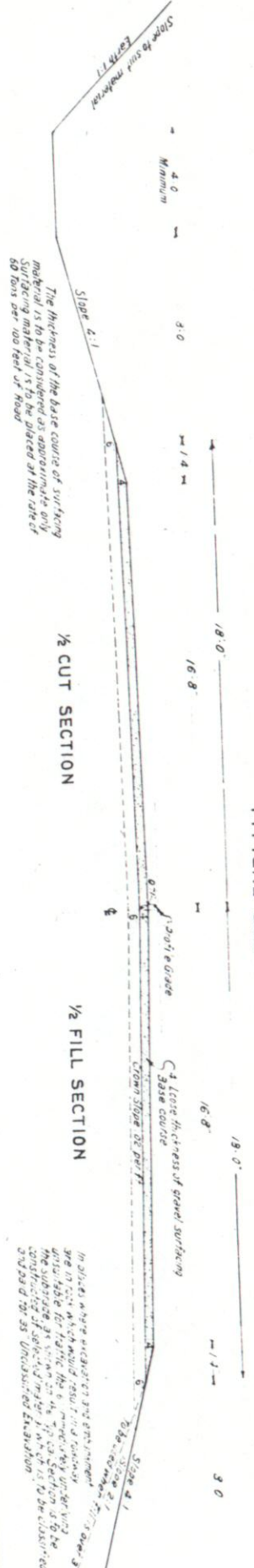
TYPICAL SECTION

| GATES REQ |   |
|-----------|---|
| STATIONS  | 5 |
| 1281+65   |   |
| 1281+76   |   |

NOTE:  
For Final Construction  
Quantities See Sheets  
2X.E9B1 and 2X.E9B.2.

| ITEM NO. | QTY  | UNIT | NO. | SHEET |
|----------|------|------|-----|-------|
| 1        | 2.00 | E9B  | 2   |       |

Rev. 3/10/21 H.S.A. & S. Lee Cont'l. 04/26  
01. 1.00 04. 1.00 04. 1.00 04. 1.00 04. 1.00  
02. 1.00 03. 04. 05. 06. 07. 08. 09. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799



## GENERAL NOTES

**GENERAL INFORMATION**

This Project is to be constructed in conformity with the Specifications of the Colorado State Highway Department adopted January 1, 1930.

All quantities on preliminary plans are to be considered approximate only.

All curves are to be super-elevated and widened as provided for by the Standard Super-elevation Sheet included with the plans.

It is the responsibility of the contractor to measure and confirm this Project

SUMMARY OF APPROXIMATE QUANTITIES

CONSTRUCTION DIVISION NO. 2

CONS'D BY NO. 1 →

[illegible]

### FENCING REQUIREMENTS

| STATIONS        |      |         |      | CONSTRUCTION DIV NO. 1 |                  |      |         | RAISED W/RE CORN |       |                 |      |         |      |       |
|-----------------|------|---------|------|------------------------|------------------|------|---------|------------------|-------|-----------------|------|---------|------|-------|
|                 | SIDE | REMARKS | CONV | Build                  |                  | SIDE | REMARKS | CONV             | Build |                 | SIDE | REMARKS | CONV | Build |
| 129+55.0/128+60 | L    | 8       |      | 669                    | 132+65.0/132+65  | R    |         |                  | 240   | 129+23.0/129+30 | L    | 430     |      | 200   |
| 128+55.0/130+55 | R    |         | 2100 |                        | 1322+50.0/131+50 | L    | 159     |                  |       | 129+30.0/129+30 | X    | 670     |      |       |
| 128+55.0/130+55 | L    | 1460    | 1500 |                        | 1322+50.0/131+50 | L    | 140     |                  |       | 129+30.0/129+30 | X    | 70      |      |       |
| 128+55.0/130+55 | R    | 4000    |      |                        | 1322+50.0/131+50 | L    | 230     |                  |       | 129+30.0/129+30 | R    | 90      |      |       |
| 130+50.0/132+50 | L    | 550     |      |                        | 1322+50.0/131+50 | L    | 160     |                  |       | 129+30.0/129+30 | R    | 30      |      |       |
| 130+50.0/132+50 | L    | 1300    |      |                        | 1322+50.0/131+50 | L    | 110     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1380    |      |                        | 1322+50.0/131+50 | L    | 20      |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1570    |      |                        | 1322+50.0/131+50 | L    | 30      |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 400     |      |                        | 1322+50.0/131+50 | L    | 40      |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 770     |      |                        | 1322+50.0/131+50 | L    | 80      |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 810     |      |                        | 1322+50.0/131+50 | L    | 100     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 900     |      |                        | 1322+50.0/131+50 | L    | 120     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1000    |      |                        | 1322+50.0/131+50 | L    | 140     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1100    |      |                        | 1322+50.0/131+50 | L    | 160     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1200    |      |                        | 1322+50.0/131+50 | L    | 180     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1300    |      |                        | 1322+50.0/131+50 | L    | 200     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1400    |      |                        | 1322+50.0/131+50 | L    | 220     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1500    |      |                        | 1322+50.0/131+50 | L    | 240     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1600    |      |                        | 1322+50.0/131+50 | L    | 260     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1700    |      |                        | 1322+50.0/131+50 | L    | 280     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1800    |      |                        | 1322+50.0/131+50 | L    | 300     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 1900    |      |                        | 1322+50.0/131+50 | L    | 320     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 2000    |      |                        | 1322+50.0/131+50 | L    | 340     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 2100    |      |                        | 1322+50.0/131+50 | L    | 360     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 2200    |      |                        | 1322+50.0/131+50 | L    | 380     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 2300    |      |                        | 1322+50.0/131+50 | L    | 400     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 2400    |      |                        | 1322+50.0/131+50 | L    | 420     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 2500    |      |                        | 1322+50.0/131+50 | L    | 440     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 2600    |      |                        | 1322+50.0/131+50 | L    | 460     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 2700    |      |                        | 1322+50.0/131+50 | L    | 480     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| 130+50.0/132+50 | L    | 2800    |      |                        | 1322+50.0/131+50 | L    | 500     |                  |       | 129+30.0/129+30 | L    |         |      |       |
| TOTALS          |      |         |      | 142720                 | 38780            | 430  | TOTALS  |                  |       |                 | 2030 | 3530    |      |       |

# LIST OF STRUCTURES

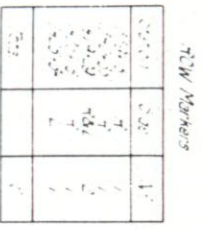
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|----------|-----|-----|
| STATIONS | NO. |     |
| 1281+55  | 2   | 2   |
| 1318+25  | 2   | 2   |
| 1349+59  | 2   | 2   |
| 1381+50  | 2   | 2   |
| 1407+00  | 2   | 2   |
| 1437+00  | 2   | 2   |
| 1467+00  | 2   | 2   |
| 1497+00  | 2   | 2   |
| 1518+35  | 2   | 2   |
| 1543+34  | 2   | 2   |
| 1579+27  | 2   | 2   |
| 1607+00  | 2   | 2   |
| 1637+29  | 2   | 2   |
| 1655+34  | 2   | 2   |
| 1677+27  | 2   | 2   |
| 1707+00  | 2   | 2   |
| 1737+00  | 2   | 2   |
| 1767+00  | 2   | 2   |
| 1797+00  | 2   | 2   |
| 1827+00  | 2   | 2   |
| 1857+00  | 2   | 2   |
| 1887+00  | 2   | 2   |
| 1917+00  | 2   | 2   |
| 1947+00  | 2   | 2   |
| 1977+00  | 2   | 2   |
| 2007+00  | 2   | 2   |
| 2037+00  | 2   | 2   |
| 2067+00  | 2   | 2   |
| 2097+00  | 2   | 2   |
| 2127+00  | 2   | 2   |
| 2157+00  | 2   | 2   |
| 2187+00  | 2   | 2   |
| 2217+00  | 2   | 2   |
| 2247+00  | 2   | 2   |
| 2277+00  | 2   | 2   |
| 2307+00  | 2   | 2   |
| 2337+00  | 2   | 2   |
| 2367+00  | 2   | 2   |
| 2397+00  | 2   | 2   |
| 2427+00  | 2   | 2   |
| 2457+00  | 2   | 2   |
| 2487+00  | 2   | 2   |
| 2517+00  | 2   | 2   |
| 2547+00  | 2   | 2   |
| 2577+00  | 2   | 2   |
| 2607+00  | 2   | 2   |
| 2637+00  | 2   | 2   |
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| 3447+00  | 2   | 2   |
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| 5487+00  | 2   | 2   |
| 5517+00  | 2   | 2   |
| 5547+00  | 2   | 2   |
| 5577+00  | 2   | 2   |
| 5607+00  | 2   | 2   |
| 5637+00  | 2   | 2   |
| 5667+00  | 2   | 2   |
| 5697+00  | 2   | 2   |
| 5727+00  | 2   | 2   |
| 5757+00  | 2   | 2   |
| 5787+00  | 2   | 2   |
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| 5847+00  | 2   | 2   |
| 5877+00  | 2   | 2   |
| 5907+00  | 2   | 2   |
| 5937+00  | 2   | 2   |
| 5967+00  | 2   | 2   |
| 5997+00  | 2   | 2   |
| 6027+00  | 2   | 2   |
| 6057+00  | 2   | 2   |
| 6087+00  | 2   | 2   |
| 6117+00  | 2   | 2   |
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| 6177+00  | 2   | 2   |
| 6207+00  | 2   | 2   |
| 6237+00  | 2   | 2   |
| 6267+00  | 2   | 2   |
| 6297+00  | 2   | 2   |
| 6327+00  | 2   | 2   |
| 6357+00  | 2   | 2   |
| 6387+00  | 2   | 2   |
| 6417+00  | 2   | 2   |
| 6447+00  | 2   | 2   |
| 6477+00  | 2   | 2   |
| 6507+00  | 2   | 2   |
| 6537+00  | 2   | 2   |
| 6567+00  | 2   | 2   |
| 6597+00  | 2   | 2   |
| 6627+00  | 2   | 2   |
| 6657+00  | 2   | 2   |
| 6687+00  | 2   | 2   |
| 6717+00  | 2   | 2   |
| 6747+00  | 2   | 2   |
| 6777+00  | 2   | 2   |
| 6807+00  | 2   | 2   |
| 6837+00  | 2   | 2   |
| 6867+00  | 2   | 2   |
| 6897+00  | 2   | 2   |
| 6927+00  | 2   | 2   |
| 6957+00  | 2   | 2   |
| 6987+00  | 2   | 2   |
| 7017+00  | 2   | 2   |
| 7047+00  | 2   | 2   |
| 7077+00  | 2   | 2   |
| 7107+00  | 2   | 2   |
| 7137+00  | 2   | 2   |
| 7167+00  | 2   | 2   |
| 7197+00  | 2   | 2   |
| 7227+00  | 2   | 2   |
| 7257+00  | 2   | 2   |
| 7287+00  | 2   | 2   |
| 7317+00  | 2   | 2   |
| 7347+00  | 2   | 2   |
| 7377+00  | 2   | 2   |
| 7407+00  | 2   | 2   |
| 7437+00  | 2   | 2   |
| 7467+00  | 2   | 2   |
| 7497+00  | 2   | 2   |
| 7527+00  | 2   | 2   |
| 7557+00  | 2   | 2   |
| 7587+00  | 2   | 2   |
| 7617+00  | 2   | 2   |
| 7647+00  | 2   | 2   |
| 7677+00  | 2   | 2   |
| 7707+00  | 2   | 2   |
| 7737+00  | 2   | 2   |
| 7767+00  | 2   | 2   |
| 7797+00  | 2   | 2   |
| 7827+00  | 2   | 2   |
| 7857+00  | 2   | 2   |
| 7887+00  | 2   | 2   |
| 7917+00  | 2   | 2   |
| 7947+00  | 2   | 2   |
| 7977+00  | 2   | 2   |
| 8007+00  | 2   | 2   |
| 8037+00  | 2   | 2   |
| 8067+00  | 2   | 2   |
| 8097+00  | 2   | 2   |
| 8127+00  | 2   | 2   |
| 8157+00  | 2   | 2   |
| 8187+00  | 2   | 2   |
| 8217+00  | 2   | 2   |
| 8247+00  | 2   | 2   |
| 8277+00  | 2   | 2   |
| 8307+00  | 2   | 2   |
| 8337+00  | 2   | 2   |
| 8367+00  | 2   | 2   |
| 8397+00  | 2   | 2   |
| 8427+00  | 2   | 2   |
| 8457+00  | 2   | 2   |
| 8487+00  | 2   | 2   |
| 8517+00  | 2   | 2   |
| 8547+00  | 2   | 2   |
| 8577+00  | 2   | 2   |
| 8607+00  | 2   | 2   |
| 8637+00  | 2   | 2   |
| 8667+00  | 2   | 2   |
| 8697+00  | 2   | 2   |
| 8727+00  | 2   | 2   |
| 8757+00  | 2   | 2   |
| 8787+00  | 2   | 2   |
| 8817+00  | 2   | 2   |
| 8847+00  | 2   | 2   |
| 8877+00  | 2   | 2   |
| 8907+00  | 2   | 2   |
| 8937+00  | 2   | 2   |
| 8967+00  | 2   | 2   |
| 8997+00  | 2   | 2   |
| 9027+00  | 2   | 2   |
| 9057+00  | 2   | 2   |
| 9087+00  | 2   | 2   |
| 9117+00  | 2   | 2   |
| 9147+00  | 2   | 2   |
| 9177+00  | 2   | 2   |
| 9207+00  | 2   | 2   |
| 9237+00  | 2   | 2   |
| 9267+00  | 2   | 2   |
| 9297+00  | 2   | 2   |
| 9327+00  | 2   | 2   |
| 9357+00  | 2   | 2   |
| 9387+00  | 2   | 2   |
| 9417+00  | 2   | 2   |
| 9447+00  | 2   | 2   |
| 9477+00  | 2   | 2   |
| 9507+00  | 2   | 2   |
| 9537+00  | 2   | 2   |
| 9567+00  | 2   | 2   |
| 9597+00  | 2   | 2   |
| 9627+00  | 2   | 2   |
| 9657+00  | 2   | 2   |
| 9687+00  | 2   | 2   |
| 9717+00  | 2   | 2   |
| 9747+00  | 2   | 2   |
| 9777+00  | 2   | 2   |
| 9807+00  | 2   | 2   |
| 9837+00  | 2   | 2   |
| 9867+00  | 2   | 2   |
| 9897+00  | 2   | 2   |
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| 9957+00  | 2   | 2   |
| 9987+00  | 2   | 2   |
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| 10107+00 | 2   | 2   |
| 10137+00 | 2   | 2   |
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| 10197+00 | 2   | 2   |
| 10227+00 | 2   | 2   |
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| 10407+00 | 2   | 2   |
| 10437+00 | 2   | 2   |
| 10467+00 | 2   | 2   |
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| 10587+00 | 2   | 2   |
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| 10977+00 | 2   | 2   |
| 11007+00 | 2   | 2   |
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| 11067+00 | 2   | 2   |
| 11097+00 | 2   | 2   |
| 11127+00 | 2   | 2   |
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| 11187+00 | 2   | 2   |
| 11217+00 | 2   | 2   |
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| 11277+00 | 2   | 2   |
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| 11487+00 | 2   | 2   |
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| 11607+00 | 2   | 2   |
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| 11697+00 | 2   | 2   |
| 11727+00 | 2   | 2   |
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| 11787+00 | 2   | 2   |
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| 11907+00 | 2   | 2   |
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| 11967+00 | 2   | 2   |
| 11997+00 | 2   | 2   |
| 12027+00 | 2   | 2   |
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| 12147+00 | 2   | 2   |
| 12177+00 | 2   | 2   |
| 12207+00 | 2   | 2   |
| 12237+00 | 2   | 2   |
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| 12297+00 | 2   | 2   |
| 12327+00 | 2   | 2   |
| 12357+00 | 2   | 2   |
| 12387+00 | 2   | 2   |
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| 12447+00 | 2   | 2   |
| 12477+00 | 2   | 2   |
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| 13257+00 | 2   | 2   |
| 13287+00 | 2   | 2   |
| 13317+00 | 2   | 2   |
| 13347+00 | 2   | 2   |
| 13377+00 | 2   | 2   |
| 13407+00 | 2   | 2   |
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| 13677+00 | 2   | 2   |
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| 13737+00 | 2   | 2   |
| 13767+00 | 2   | 2   |
| 13797+00 | 2   | 2   |
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| 13857+00 | 2   | 2   |
| 13887+00 | 2   | 2   |
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| 13977+00 | 2   | 2   |
| 14007+00 | 2   | 2   |
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| 14067+00 | 2   | 2   |
| 14097+00 | 2   | 2   |
| 14127+00 | 2   | 2   |
| 14157+00 | 2   | 2   |
| 14187+00 | 2   | 2   |
| 14217+00 | 2   | 2   |
| 14247+00 | 2   | 2   |
| 14277+00 | 2   | 2   |
| 14307+00 | 2</ |     |

# LIST OF STRUCTURES

| STATIONS | DESCRIPTION                             | REVEAL |         | STRUCT EXCAVATION |        | LIMITED CONCRETE |        | REINFORCED |        | MISC |
|----------|-----------------------------------------|--------|---------|-------------------|--------|------------------|--------|------------|--------|------|
|          |                                         | STREET | UNCLASS | EMBANK            | CU YDS | CU YDS           | CU YDS | CU YDS     | CU YDS |      |
| 148+85   | Bridge Approach & 400' Span             |        |         | 200               |        |                  |        |            |        |      |
| 148+90   | Cross Culvert & Road Approach           |        |         | 200               |        |                  |        |            |        |      |
| 148+95   | C N Side Drain & Road Approach          |        |         | 25                |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 25                |        |                  |        |            |        |      |
| 148+95   | Remove C N P Side Drain & Road Approach |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | C N P Side Drain & Road Approach        |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |
| 148+95   | Cross Culvert                           |        |         | 1                 |        |                  |        |            |        |      |



| DATE | TIME  | NO. OF<br>SPEECHES | NO. OF<br>SPEECHES | TOTAL<br>SPEECHES |
|------|-------|--------------------|--------------------|-------------------|
| 1    | 10:00 | 10:00              | 2X                 |                   |



1/2 FILL SECTION

| FENCING REQUIREMENTS |     | FENCING REQUIREMENTS |     |
|----------------------|-----|----------------------|-----|
| 1                    | 1   | 1                    | 1   |
| 2                    | 2   | 2                    | 2   |
| 3                    | 3   | 3                    | 3   |
| 4                    | 4   | 4                    | 4   |
| 5                    | 5   | 5                    | 5   |
| 6                    | 6   | 6                    | 6   |
| 7                    | 7   | 7                    | 7   |
| 8                    | 8   | 8                    | 8   |
| 9                    | 9   | 9                    | 9   |
| 10                   | 10  | 10                   | 10  |
| 11                   | 11  | 11                   | 11  |
| 12                   | 12  | 12                   | 12  |
| 13                   | 13  | 13                   | 13  |
| 14                   | 14  | 14                   | 14  |
| 15                   | 15  | 15                   | 15  |
| 16                   | 16  | 16                   | 16  |
| 17                   | 17  | 17                   | 17  |
| 18                   | 18  | 18                   | 18  |
| 19                   | 19  | 19                   | 19  |
| 20                   | 20  | 20                   | 20  |
| 21                   | 21  | 21                   | 21  |
| 22                   | 22  | 22                   | 22  |
| 23                   | 23  | 23                   | 23  |
| 24                   | 24  | 24                   | 24  |
| 25                   | 25  | 25                   | 25  |
| 26                   | 26  | 26                   | 26  |
| 27                   | 27  | 27                   | 27  |
| 28                   | 28  | 28                   | 28  |
| 29                   | 29  | 29                   | 29  |
| 30                   | 30  | 30                   | 30  |
| 31                   | 31  | 31                   | 31  |
| 32                   | 32  | 32                   | 32  |
| 33                   | 33  | 33                   | 33  |
| 34                   | 34  | 34                   | 34  |
| 35                   | 35  | 35                   | 35  |
| 36                   | 36  | 36                   | 36  |
| 37                   | 37  | 37                   | 37  |
| 38                   | 38  | 38                   | 38  |
| 39                   | 39  | 39                   | 39  |
| 40                   | 40  | 40                   | 40  |
| 41                   | 41  | 41                   | 41  |
| 42                   | 42  | 42                   | 42  |
| 43                   | 43  | 43                   | 43  |
| 44                   | 44  | 44                   | 44  |
| 45                   | 45  | 45                   | 45  |
| 46                   | 46  | 46                   | 46  |
| 47                   | 47  | 47                   | 47  |
| 48                   | 48  | 48                   | 48  |
| 49                   | 49  | 49                   | 49  |
| 50                   | 50  | 50                   | 50  |
| 51                   | 51  | 51                   | 51  |
| 52                   | 52  | 52                   | 52  |
| 53                   | 53  | 53                   | 53  |
| 54                   | 54  | 54                   | 54  |
| 55                   | 55  | 55                   | 55  |
| 56                   | 56  | 56                   | 56  |
| 57                   | 57  | 57                   | 57  |
| 58                   | 58  | 58                   | 58  |
| 59                   | 59  | 59                   | 59  |
| 60                   | 60  | 60                   | 60  |
| 61                   | 61  | 61                   | 61  |
| 62                   | 62  | 62                   | 62  |
| 63                   | 63  | 63                   | 63  |
| 64                   | 64  | 64                   | 64  |
| 65                   | 65  | 65                   | 65  |
| 66                   | 66  | 66                   | 66  |
| 67                   | 67  | 67                   | 67  |
| 68                   | 68  | 68                   | 68  |
| 69                   | 69  | 69                   | 69  |
| 70                   | 70  | 70                   | 70  |
| 71                   | 71  | 71                   | 71  |
| 72                   | 72  | 72                   | 72  |
| 73                   | 73  | 73                   | 73  |
| 74                   | 74  | 74                   | 74  |
| 75                   | 75  | 75                   | 75  |
| 76                   | 76  | 76                   | 76  |
| 77                   | 77  | 77                   | 77  |
| 78                   | 78  | 78                   | 78  |
| 79                   | 79  | 79                   | 79  |
| 80                   | 80  | 80                   | 80  |
| 81                   | 81  | 81                   | 81  |
| 82                   | 82  | 82                   | 82  |
| 83                   | 83  | 83                   | 83  |
| 84                   | 84  | 84                   | 84  |
| 85                   | 85  | 85                   | 85  |
| 86                   | 86  | 86                   | 86  |
| 87                   | 87  | 87                   | 87  |
| 88                   | 88  | 88                   | 88  |
| 89                   | 89  | 89                   | 89  |
| 90                   | 90  | 90                   | 90  |
| 91                   | 91  | 91                   | 91  |
| 92                   | 92  | 92                   | 92  |
| 93                   | 93  | 93                   | 93  |
| 94                   | 94  | 94                   | 94  |
| 95                   | 95  | 95                   | 95  |
| 96                   | 96  | 96                   | 96  |
| 97                   | 97  | 97                   | 97  |
| 98                   | 98  | 98                   | 98  |
| 99                   | 99  | 99                   | 99  |
| 100                  | 100 | 100                  | 100 |

|       | Swat | LIT Fr. |
|-------|------|---------|
| 1323* | 250  |         |
| 1342* | 200  |         |
| 1376* | 250  |         |
| 1389* | 200  |         |
| 1414† | 130  |         |
| 1423† | 250  |         |
| 1430† | 200  |         |
| Total | 1400 |         |

[illegible]

191

[illegible]



Diagram illustrating a cross-section of a road or canal, showing various dimensions and angles. The diagram includes a top horizontal line, a bottom horizontal line, and a central vertical line. Dimensions are labeled with letters and numbers, and angles are labeled with Greek letters. A dashed line runs parallel to the bottom horizontal line. The diagram is oriented vertically on the page.

Labels and dimensions visible in the diagram include:

- Top horizontal line:  $100' \pm 100' \pm 100'$
- Bottom horizontal line:  $100' \pm 100' \pm 100'$
- Central vertical line:  $100' \pm 100' \pm 100'$
- Left side dimensions:  $100' \pm 100' \pm 100'$ ,  $100' \pm 100' \pm 100'$ ,  $100' \pm 100' \pm 100'$
- Right side dimensions:  $100' \pm 100' \pm 100'$ ,  $100' \pm 100' \pm 100'$ ,  $100' \pm 100' \pm 100'$
- Angles:  $\theta$ ,  $\phi$ ,  $\psi$ ,  $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$ ,  $\epsilon$ ,  $\zeta$ ,  $\eta$ ,  $\theta$ ,  $\phi$ ,  $\psi$ ,  $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\delta$ ,  $\epsilon$ ,  $\zeta$ ,  $\eta$
- Dashed line:  $100' \pm 100' \pm 100'$

**SUMMARY OF FINAL QUANTITIES**

[illegible][illegible]

Figure 1 is a schematic diagram of a two-dimensional flow field. It shows a solid boundary on the left and a dashed line representing a free surface. The flow is characterized by a velocity profile  $u(y)$  and a pressure profile  $p(y)$ . The diagram is labeled with 'u' and 'p' and includes a coordinate system with 'y' and 'z' axes.

$$S = 2\pi R \int_0^{\pi} \sin \theta \, d\theta$$

$$= 2\pi R [-\cos \theta]_0^{\pi}$$

$$= 2\pi R [-(-1) - (-1)]$$

$$= 2\pi R [1 + 1]$$

$$= 4\pi R$$



UNIT QUANTITY  
 1.0 1.0  
 2.0 2.0

| ITEM | DESCRIPTION                                |
|------|--------------------------------------------|
| 101  | Carrying and Gridding with a 4' x 6' Board |
| 102  | Grading with 8' Boards                     |

## SUMMARY OF FINAL QUANTITIES

| ITEM | DESCRIPTION                      | UNIT  | Quantity | Estimated Value |
|------|----------------------------------|-------|----------|-----------------|
| 101  | 6" x 12" x 16" Gypsum wall paper | Sq Yd | 1,200    | 120.00          |
| 102  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 103  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 104  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 105  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 106  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 107  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 108  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 109  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 110  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 111  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 112  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 113  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 114  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 115  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 116  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 117  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 118  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 119  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 120  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 121  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 122  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 123  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 124  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 125  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 126  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 127  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 128  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 129  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 130  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 131  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 132  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 133  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 134  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 135  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 136  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 137  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 138  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 139  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 140  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 141  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 142  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 143  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 144  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 145  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 146  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 147  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 148  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 149  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |
| 150  | Acoustic ceiling tiles           | Sq Yd | 1,200    | 120.00          |

| Year | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |      |

# LIST OF STRUCTURES AS CONSTRUCTED

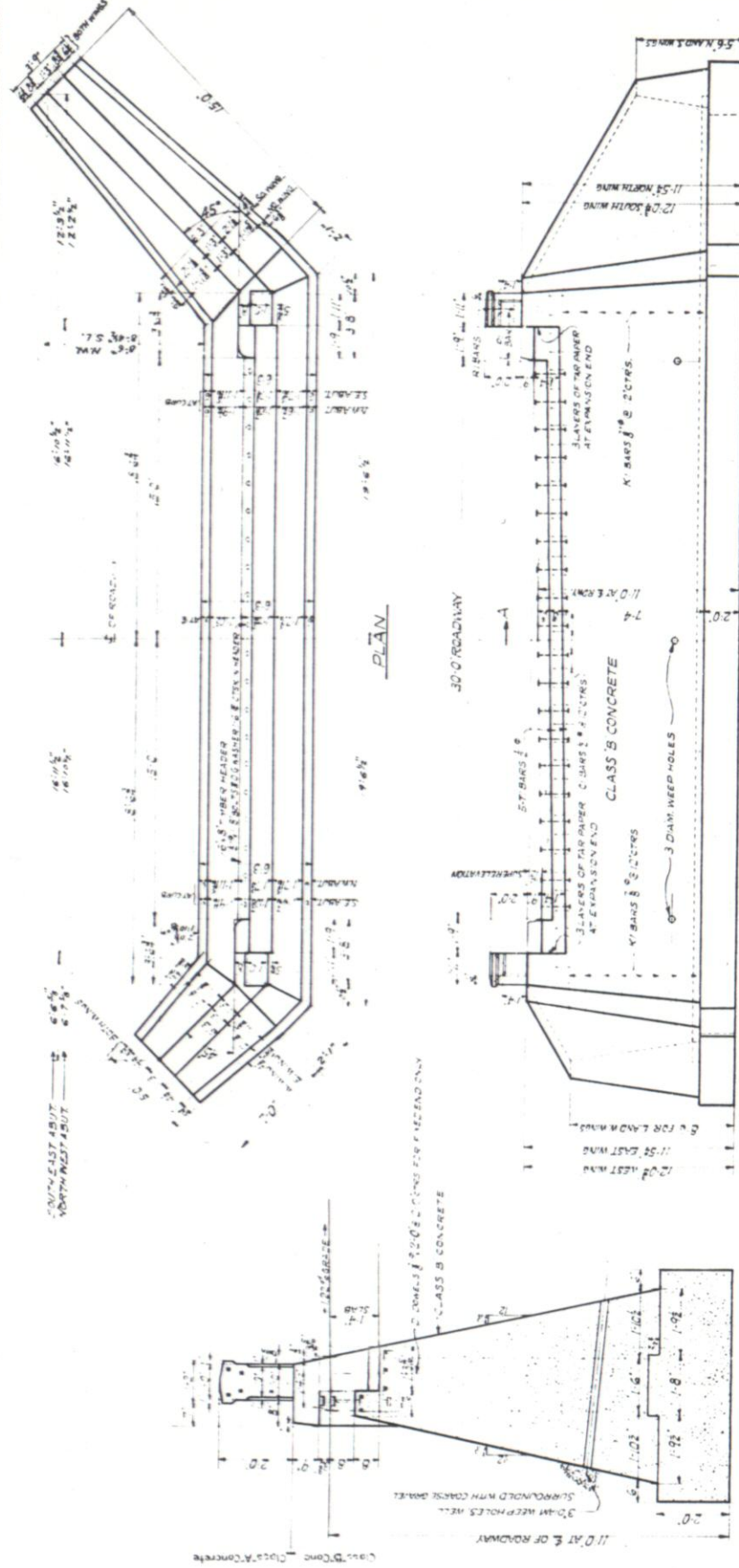
| Station | Description | Area | Volume | Weight | Remarks |
|---------|-------------|------|--------|--------|---------|
| 100+00  | Grass       |      |        |        |         |
| 100+10  | Grass       |      |        |        |         |
| 100+20  | Grass       |      |        |        |         |
| 100+30  | Grass       |      |        |        |         |
| 100+40  | Grass       |      |        |        |         |
| 100+50  | Grass       |      |        |        |         |
| 100+60  | Grass       |      |        |        |         |
| 100+70  | Grass       |      |        |        |         |
| 100+80  | Grass       |      |        |        |         |
| 100+90  | Grass       |      |        |        |         |
| 101+00  | Grass       |      |        |        |         |
| 101+10  | Grass       |      |        |        |         |
| 101+20  | Grass       |      |        |        |         |
| 101+30  | Grass       |      |        |        |         |
| 101+40  | Grass       |      |        |        |         |
| 101+50  | Grass       |      |        |        |         |
| 101+60  | Grass       |      |        |        |         |
| 101+70  | Grass       |      |        |        |         |
| 101+80  | Grass       |      |        |        |         |
| 101+90  | Grass       |      |        |        |         |
| 102+00  | Grass       |      |        |        |         |
| 102+10  | Grass       |      |        |        |         |
| 102+20  | Grass       |      |        |        |         |
| 102+30  | Grass       |      |        |        |         |
| 102+40  | Grass       |      |        |        |         |
| 102+50  | Grass       |      |        |        |         |
| 102+60  | Grass       |      |        |        |         |
| 102+70  | Grass       |      |        |        |         |
| 102+80  | Grass       |      |        |        |         |
| 102+90  | Grass       |      |        |        |         |
| 103+00  | Grass       |      |        |        |         |
| 103+10  | Grass       |      |        |        |         |
| 103+20  | Grass       |      |        |        |         |
| 103+30  | Grass       |      |        |        |         |
| 103+40  | Grass       |      |        |        |         |
| 103+50  | Grass       |      |        |        |         |
| 103+60  | Grass       |      |        |        |         |
| 103+70  | Grass       |      |        |        |         |
| 103+80  | Grass       |      |        |        |         |
| 103+90  | Grass       |      |        |        |         |
| 104+00  | Grass       |      |        |        |         |
| 104+10  | Grass       |      |        |        |         |
| 104+20  | Grass       |      |        |        |         |
| 104+30  | Grass       |      |        |        |         |
| 104+40  | Grass       |      |        |        |         |
| 104+50  | Grass       |      |        |        |         |
| 104+60  | Grass       |      |        |        |         |
| 104+70  | Grass       |      |        |        |         |
| 104+80  | Grass       |      |        |        |         |
| 104+90  | Grass       |      |        |        |         |
| 105+00  | Grass       |      |        |        |         |
| 105+10  | Grass       |      |        |        |         |
| 105+20  | Grass       |      |        |        |         |
| 105+30  | Grass       |      |        |        |         |
| 105+40  | Grass       |      |        |        |         |
| 105+50  | Grass       |      |        |        |         |
| 105+60  | Grass       |      |        |        |         |
| 105+70  | Grass       |      |        |        |         |
| 105+80  | Grass       |      |        |        |         |
| 105+90  | Grass       |      |        |        |         |
| 106+00  | Grass       |      |        |        |         |
| 106+10  | Grass       |      |        |        |         |
| 106+20  | Grass       |      |        |        |         |
| 106+30  | Grass       |      |        |        |         |
| 106+40  | Grass       |      |        |        |         |
| 106+50  | Grass       |      |        |        |         |
| 106+60  | Grass       |      |        |        |         |
| 106+70  | Grass       |      |        |        |         |
| 106+80  | Grass       |      |        |        |         |
| 106+90  | Grass       |      |        |        |         |
| 107+00  | Grass       |      |        |        |         |
| 107+10  | Grass       |      |        |        |         |
| 107+20  | Grass       |      |        |        |         |
| 107+30  | Grass       |      |        |        |         |
| 107+40  | Grass       |      |        |        |         |
| 107+50  | Grass       |      |        |        |         |
| 107+60  | Grass       |      |        |        |         |
| 107+70  | Grass       |      |        |        |         |
| 107+80  | Grass       |      |        |        |         |
| 107+90  | Grass       |      |        |        |         |
| 108+00  | Grass       |      |        |        |         |
| 108+10  | Grass       |      |        |        |         |
| 108+20  | Grass       |      |        |        |         |
| 108+30  | Grass       |      |        |        |         |
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| 108+70  | Grass       |      |        |        |         |
| 108+80  | Grass       |      |        |        |         |
| 108+90  | Grass       |      |        |        |         |
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| 109+80  | Grass       |      |        |        |         |
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| 110+40  | Grass       |      |        |        |         |
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| 110+60  | Grass       |      |        |        |         |
| 110+70  | Grass       |      |        |        |         |
| 110+80  | Grass       |      |        |        |         |
| 110+90  | Grass       |      |        |        |         |
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| 111+30  | Grass       |      |        |        |         |
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| 111+50  | Grass       |      |        |        |         |
| 111+60  | Grass       |      |        |        |         |
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| 111+80  | Grass       |      |        |        |         |
| 111+90  | Grass       |      |        |        |         |
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| 112+20  | Grass       |      |        |        |         |
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| 112+40  | Grass       |      |        |        |         |
| 112+50  | Grass       |      |        |        |         |
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| 112+70  | Grass       |      |        |        |         |
| 112+80  | Grass       |      |        |        |         |
| 112+90  | Grass       |      |        |        |         |
| 113+00  | Grass       |      |        |        |         |
| 113+10  | Grass       |      |        |        |         |
| 113+20  | Grass       |      |        |        |         |
| 113+30  | Grass       |      |        |        |         |
| 113+40  | Grass       |      |        |        |         |
| 113+50  | Grass       |      |        |        |         |
| 113+60  | Grass       |      |        |        |         |
| 113+70  | Grass       |      |        |        |         |
| 113+80  | Grass       |      |        |        |         |
| 113+90  | Grass       |      |        |        |         |
| 114+00  | Grass       |      |        |        |         |
| 114+10  | Grass       |      |        |        |         |
| 114+20  | Grass       |      |        |        |         |
| 114+30  | Grass       |      |        |        |         |
| 114+40  | Grass       |      |        |        |         |
| 114+50  | Grass       |      |        |        |         |
| 114+60  | Grass       |      |        |        |         |
| 114+70  | Grass       |      |        |        |         |
| 114+80  | Grass       |      |        |        |         |
| 114+90  | Grass       |      |        |        |         |
| 115+00  | Grass       |      |        |        |         |
| 115+10  | Grass       |      |        |        |         |
| 115+20  | Grass       |      |        |        |         |
| 115+30  | Grass       |      |        |        |         |
| 115+40  | Grass       |      |        |        |         |
| 115+50  | Grass       |      |        |        |         |
| 115+60  | Grass       |      |        |        |         |
| 115+70  | Grass       |      |        |        |         |
| 115+80  | Grass       |      |        |        |         |
| 115+90  | Grass       |      |        |        |         |
| 116+00  | Grass       |      |        |        |         |
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| 116+20  | Grass       |      |        |        |         |
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| 116+40  | Grass       |      |        |        |         |
| 116+50  | Grass       |      |        |        |         |
| 116+60  | Grass       |      |        |        |         |
| 116+70  | Grass       |      |        |        |         |
| 116+80  | Grass       |      |        |        |         |
| 116+90  | Grass       |      |        |        |         |
| 117+00  | Grass       |      |        |        |         |
| 117+10  | Grass       |      |        |        |         |
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| 117+40  | Grass       |      |        |        |         |
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| 117+70  | Grass       |      |        |        |         |
| 117+80  | Grass       |      |        |        |         |
| 117+90  | Grass       |      |        |        |         |
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| 118+60  | Grass       |      |        |        |         |
| 118+70  | Grass       |      |        |        |         |
| 118+80  | Grass       |      |        |        |         |
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| 119+00  | Grass       |      |        |        |         |
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| 119+80  | Grass       |      |        |        |         |
| 119+90  | Grass       |      |        |        |         |
| 120+00  | Grass       |      |        |        |         |
| 120+10  | Grass       |      |        |        |         |
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| 120+30  | Grass       |      |        |        |         |
| 120+40  | Grass       |      |        |        |         |
| 120+50  | Grass       |      |        |        |         |
| 120+60  | Grass       |      |        |        |         |
| 120+70  | Grass       |      |        |        |         |
| 120+80  | Grass       |      |        |        |         |
| 120+90  | Grass       |      |        |        |         |
| 121+00  | Grass       |      |        |        |         |
| 121+10  | Grass       |      |        |        |         |
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| 121+30  | Grass       |      |        |        |         |
| 121+40  | Grass       |      |        |        |         |
| 121+50  | Grass       |      |        |        |         |
| 121+60  | Grass       |      |        |        |         |
| 121+70  | Grass       |      |        |        |         |
| 121+80  | Grass       |      |        |        |         |
| 121+90  | Grass       |      |        |        |         |
| 122+00  | Grass       |      |        |        |         |
| 122+10  | Grass       |      |        |        |         |
| 122+20  | Grass       |      |        |        |         |
| 122+30  | Grass       |      |        |        |         |
| 122+40  | Grass       |      |        |        |         |
| 122+50  | Grass       |      |        |        |         |
| 122+60  | Grass       |      |        |        |         |
| 122+70  | Grass       |      |        |        |         |
| 122+80  | Grass       |      |        |        |         |
| 122+90  | Grass       |      |        |        |         |
| 123+00  | Grass       |      |        |        |         |
| 123+10  | Grass       |      |        |        |         |
| 123+20  | Grass       |      |        |        |         |
| 123+30  | Grass       |      |        |        |         |
| 123+40  | Grass       |      |        |        |         |
| 123+50  | Grass       |      |        |        |         |
| 123+60  | Grass       |      |        |        |         |
| 123+70  | Grass       |      |        |        |         |
| 123+80  | Grass       |      |        |        |         |
| 123+90  | Grass       |      |        |        |         |
| 124+00  | Grass       |      |        |        |         |
| 124+10  | Grass       |      |        |        |         |
| 124+20  | Grass       |      |        |        |         |
| 124+30  | Grass       |      |        |        |         |
| 124+40  | Grass       |      |        |        |         |
| 124+50  | Grass       |      |        |        |         |
| 124+60  | Grass       |      |        |        |         |
| 124+70  | Grass       |      |        |        |         |
| 124+80  | Grass       |      |        |        |         |
| 124+90  | Grass       |      |        |        |         |
| 125+00  | Grass       |      |        |        |         |
| 125+10  | Grass       |      |        |        |         |
| 125+20  | Grass       |      |        |        |         |
| 125+30  | Grass       |      |        |        |         |
| 125+40  | Grass       |      |        |        |         |
| 125+50  | Grass       |      |        |        |         |
| 125+60  | Grass       |      |        |        |         |
| 125+70  | Grass       |      |        |        |         |
| 125+80  | Grass       |      |        |        |         |
| 125+90  | Grass       |      |        |        |         |
| 126+00  | Grass       |      |        |        |         |
| 126+10  | Grass       |      |        |        |         |
| 126+20  | Grass       |      |        |        |         |
| 126+30  | Grass       |      |        |        |         |
| 126+40  | Grass       |      |        |        |         |
| 126+50  | Grass       |      |        |        |         |
| 126+60  | Grass       |      |        |        |         |
| 126+70  | Grass       |      |        |        |         |
| 126+80  | Grass       |      |        |        |         |
| 126+90  | Grass       |      |        |        |         |
| 127+00  | Grass       |      |        |        |         |
| 127+10  | Grass       |      |        |        |         |
| 127+20  | Grass       |      |        |        |         |
| 127+30  | Grass       |      |        |        |         |
| 127+40  | Grass       |      |        |        |         |
| 127+50  | Grass       |      |        |        |         |
| 127+60  | Grass       |      |        |        |         |
| 127+70  | Grass       |      |        |        |         |
| 127+80  | Grass       |      |        |        |         |
| 127+90  | Grass       |      |        |        |         |
| 128+00  | Grass       |      |        |        |         |
| 128+10  | Grass       |      |        |        |         |
| 128+20  | Grass       |      |        |        |         |
| 128+30  | Grass       |      |        |        |         |
| 128+40  | Grass       |      |        |        |         |
| 128+50  | Grass       |      |        |        |         |
| 128+60  | Grass       |      |        |        |         |
| 128+70  | Grass       |      |        |        |         |
| 128+80  | Grass       |      |        |        |         |
| 128+90  | Grass       |      |        |        |         |
| 129+00  | Grass       |      |        |        |         |
| 129+10  | Grass       |      |        |        |         |
| 129+20  | Grass       |      |        |        |         |
| 129+30  | Grass       |      |        |        |         |
| 129+40  | Grass       |      |        |        |         |
| 129+50  | Grass       |      |        |        |         |
| 129+60  | Grass       |      |        |        |         |
| 129+70  | Grass       |      |        |        |         |
| 129+80  | Grass       |      |        |        |         |
| 129+90  | Grass       |      |        |        |         |
| 130+00  | Grass       |      |        |        |         |
| 130+10  | Grass       |      |        |        |         |
| 130+20  | Grass       |      |        |        |         |
| 130+30  | Grass       |      |        |        |         |
| 130+40  | Grass       |      |        |        |         |
| 130+50  | Grass       |      |        |        |         |
| 130+60  | Grass       |      |        |        |         |
| 130+70  | Grass       |      |        |        |         |
| 130+80  | Grass       |      |        |        |         |
| 130+90  | Grass       |      |        |        |         |
| 131+00  | Grass       |      |        |        |         |
| 131+10  | Grass       |      |        |        |         |
| 131+20  | Grass       |      |        |        |         |
| 131+30  | Grass       |      |        |        |         |
| 131+40  | Grass       |      |        |        |         |
| 131+50  | Grass       |      |        |        |         |
| 131+60  | Grass       |      |        |        |         |
| 131+70  | Grass       |      |        |        |         |
| 131+80  | Grass       |      |        |        |         |
| 131+90  | Grass       |      |        |        |         |
| 132+00  | Grass       |      |        |        |         |
| 132+10  | Grass       |      |        |        |         |
| 132+20  | Grass       |      |        |        |         |
| 132+30  | Grass       |      |        |        |         |
| 132+40  | Grass       |      |        |        |         |

| Year | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |

## GENERAL NOTES

[illegible]



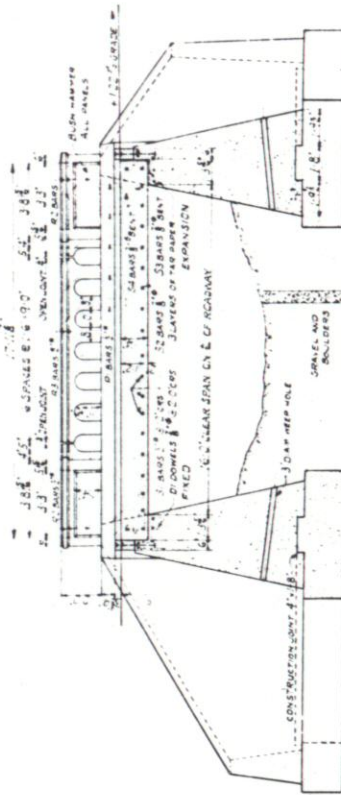
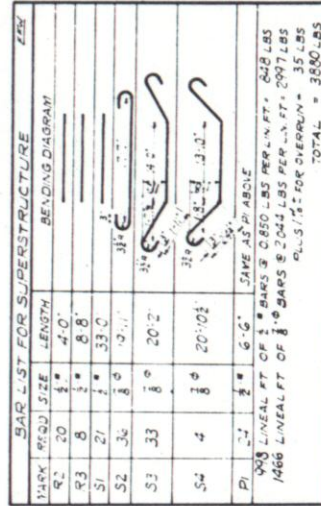
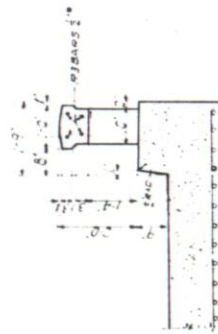
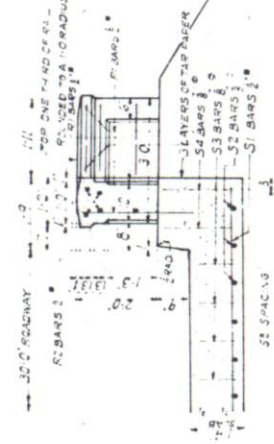


ELEVATION OF SOUTHEAST ABUTMENT  
NORTHWEST ABUT. IS SIMILAR (EXCEPT AS NOTED) BY ROTATION  
SLOPE OF SLAB SEAT IS OPPOSITE HAND

| SUMMARY OF QUANTITIES FOR ENTIRE BRIDGE |                                |       |               | 200     |
|-----------------------------------------|--------------------------------|-------|---------------|---------|
| ITEM NO.                                | DESCRIPTION                    | UNIT  | 5-WEST/STRUCT | TOTAL   |
| 1-1                                     | DRY ROCK STRUCTURAL EXCAVATION | CY/D  |               |         |
| 1-2                                     | DRY COMMON                     | --    |               | 60.5    |
| 1-3                                     | WET ROCK                       | --    |               | --      |
| 1-4                                     | 1/2" COMMON                    | --    |               |         |
| 1-5                                     | UNTREATED BRIDGE TIMBER        | CY/D  |               | 150.8   |
| 1-6                                     | CLASS A CONCRETE               | W/F/S | 0.24          | 0.24    |
| 1-7                                     | CLASS B CONCRETE               | CY/D  | 0.6           | 35      |
| 1-8                                     | REINFORCING STEEL              | CY/D  | 16.3          | 16.3    |
| 2-1                                     | REMOVAL OF DISBURD BRIDGE      | 1.65  | 1140          | 5020    |
| 2-2                                     | REMOVAL OF WATER 4' 1/2"       | 1.65  |               | LUMPSUM |
| 2-3                                     |                                | 1.65  |               | 34      |

| BAR LIST FOR SUBTMENTS |      | BENCH 2-3-10-AMT |     |
|------------------------|------|------------------|-----|
| REQD                   | SIZE | EX-374           |     |
| DR                     | 1/2  | 4                | 20  |
| MA                     | 1/2  | 1                | 100 |
| RT                     | 1/2  | 1                | 100 |
| TL                     | 1/2  | 1                | 370 |
| CL                     | 1/2  | 1                | 380 |
| KI                     | 3/4  | 1                | 76  |
| P                      | 1/2  | 1                | 66  |

370 - NEAL ST OF 3 BARS 1.2 IN. L. 370 - 45  
335 - NEAL ST OF 3 BARS 1.2 IN. L. 335 - 45  
291 - NEAL ST OF 3 BARS 1.2 IN. L. 291 - 45  
TOTAL 1120 LBS



SECTIONAL ELEVATION ON &amp; CF ROADWAY

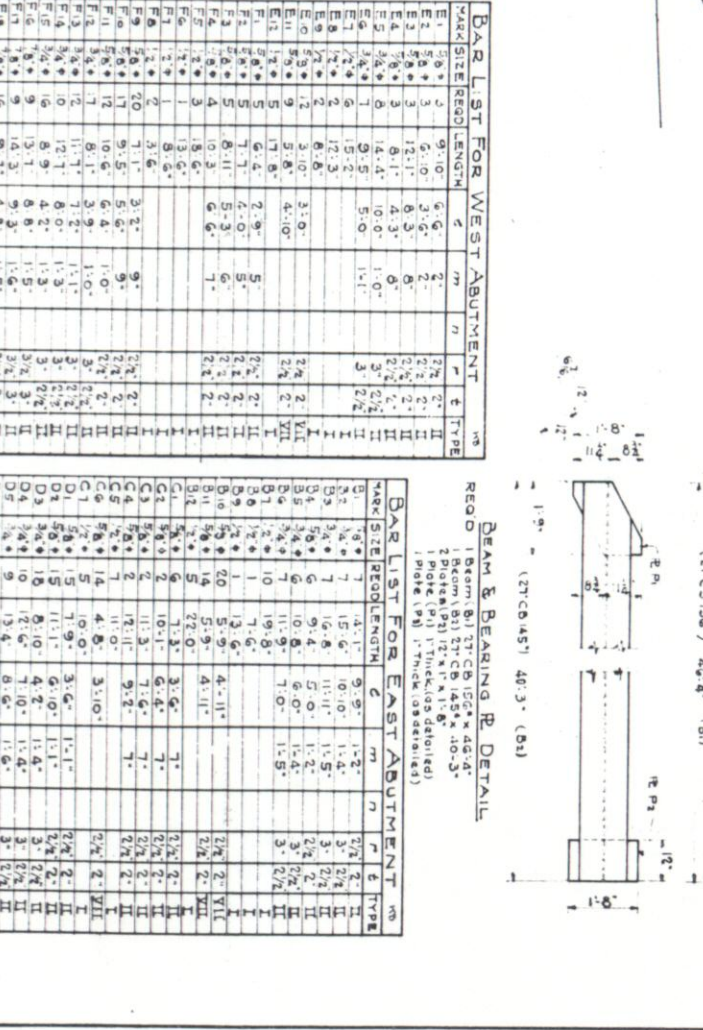
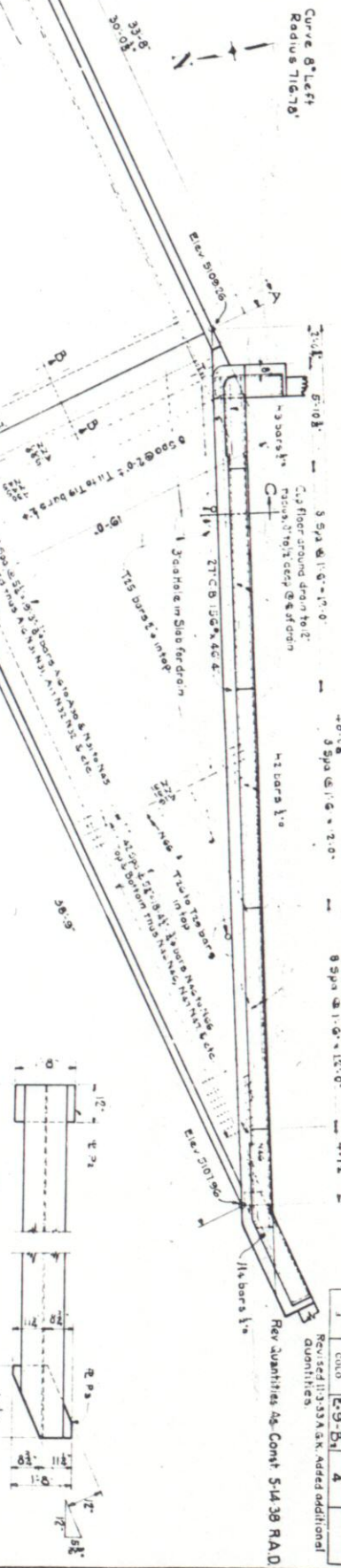
## GENERAL NOTES

ALL WORK SHALL BE DONE ACCORDING TO THE STANDARD SPECIFICATIONS OF THE  
CONCRETE SHALL BE CLASS A, ADOPTED JAN 1 1930  
ALL EXPOSED CORNERS AND CURB SHALL BE FINISHED MONUMENTALLY  
ALL CONSTRUCTION JOINTS SHALL BE PLACED BEFORE REMOVAL OF FORMS  
CURE IS REQUIRED  
THICKNESS OF FLOOR SLAB SHOWN INCLUDES 1" CONCRETE FINISH LAMPE  
SHOWN AND NOTED  
SECONDARY BARS WHEN SPACED SHALL BE GIVEN A LAP OF 40 DIAMETERS  
SPACING AND DEPTH OF FOOTINGS SHOWN ARE TO THE NEXT AVAILABLE  
NEAR WILL INTERFERE AND DIFFERENCE IF NEARER IS NOTED  
VARIABLE 35% PRESSURE EQUALS 200 LBS PER SQ. IN. OF

**LOADING DATA:**  
LIVE LOAD: A.A.S.H.O. HS-20, 1989 (Class A 141K)  
DEAD LOAD: Assumed to be less than 50% additional weight  
of concrete. The weight of the concrete retaining wall  
is included in the weight of the concrete retaining wall  
unit.

|                    |                                                   |
|--------------------|---------------------------------------------------|
| Designed by WWM    | Approved by <i>P. D. Barty</i><br>Bridge Engineer |
| Made by WWM        |                                                   |
| Checked by EFD     |                                                   |
| Date: Jan 20, 1933 |                                                   |





|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    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185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-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| NO. | DATE | DESCRIPTION OF THE | AMOUNT  | PAID    | REMAINDER |
|-----|------|--------------------|---------|---------|-----------|
| 1   | 1900 | PAID TO A. B. C.   | 100.00  | 100.00  | 0.00      |
| 2   | 1901 | PAID TO A. B. C.   | 200.00  | 200.00  | 0.00      |
| 3   | 1902 | PAID TO A. B. C.   | 300.00  | 300.00  | 0.00      |
| 4   | 1903 | PAID TO A. B. C.   | 400.00  | 400.00  | 0.00      |
| 5   | 1904 | PAID TO A. B. C.   | 500.00  | 500.00  | 0.00      |
| 6   | 1905 | PAID TO A. B. C.   | 600.00  | 600.00  | 0.00      |
| 7   | 1906 | PAID TO A. B. C.   | 700.00  | 700.00  | 0.00      |
| 8   | 1907 | PAID TO A. B. C.   | 800.00  | 800.00  | 0.00      |
| 9   | 1908 | PAID TO A. B. C.   | 900.00  | 900.00  | 0.00      |
| 10  | 1909 | PAID TO A. B. C.   | 1000.00 | 1000.00 | 0.00      |
| 11  | 1910 | PAID TO A. B. C.   | 1100.00 | 1100.00 | 0.00      |
| 12  | 1911 | PAID TO A. B. C.   | 1200.00 | 1200.00 | 0.00      |
| 13  | 1912 | PAID TO A. B. C.   | 1300.00 | 1300.00 | 0.00      |
| 14  | 1913 | PAID TO A. B. C.   | 1400.00 | 1400.00 | 0.00      |
| 15  | 1914 | PAID TO A. B. C.   | 1500.00 | 1500.00 | 0.00      |
| 16  | 1915 | PAID TO A. B. C.   | 1600.00 | 1600.00 | 0.00      |
| 17  | 1916 | PAID TO A. B. C.   | 1700.00 | 1700.00 | 0.00      |
| 18  | 1917 | PAID TO A. B. C.   | 1800.00 | 1800.00 | 0.00      |
| 19  | 1918 | PAID TO A. B. C.   | 1900.00 | 1900.00 | 0.00      |
| 20  | 1919 | PAID TO A. B. C.   | 2000.00 | 2000.00 | 0.00      |
| 21  | 1920 | PAID TO A. B. C.   | 2100.00 | 2100.00 | 0.00      |
| 22  | 1921 | PAID TO A. B. C.   | 2200.00 | 2200.00 | 0.00      |
| 23  | 1922 | PAID TO A. B. C.   | 2300.00 | 2300.00 | 0.00      |
| 24  | 1923 | PAID TO A. B. C.   | 2400.00 | 2400.00 | 0.00      |
| 25  | 1924 | PAID TO A. B. C.   | 2500.00 | 2500.00 | 0.00      |
| 26  | 1925 | PAID TO A. B. C.   | 2600.00 | 2600.00 | 0.00      |
| 27  | 1926 | PAID TO A. B. C.   | 2700.00 | 2700.00 | 0.00      |
| 28  | 1927 | PAID TO A. B. C.   | 2800.00 | 2800.00 | 0.00      |
| 29  | 1928 | PAID TO A. B. C.   | 2900.00 | 2900.00 | 0.00      |
| 30  | 1929 | PAID TO A. B. C.   | 3000.00 | 3000.00 | 0.00      |
| 31  | 1930 | PAID TO A. B. C.   | 3100.00 | 3100.00 | 0.00      |
| 32  | 1931 | PAID TO A. B. C.   | 3200.00 | 3200.00 | 0.00      |
| 33  | 1932 | PAID TO A. B. C.   | 3300.00 | 3300.00 | 0.00      |
| 34  | 1933 | PAID TO A. B. C.   | 3400.00 | 3400.00 | 0.00      |
| 35  | 1934 | PAID TO A. B. C.   | 3500.00 | 3500.00 | 0.00      |
| 36  | 1935 | PAID TO A. B. C.   | 3600.00 | 3600.00 | 0.00      |
| 37  | 1936 | PAID TO A. B. C.   | 3700.00 | 3700.00 | 0.00      |
| 38  | 1937 | PAID TO A. B. C.   | 3800.00 | 3800.00 | 0.00      |
| 39  | 1938 | PAID TO A. B. C.   | 3900.00 | 3900.00 | 0.00      |
| 40  | 1939 | PAID TO A. B. C.   | 4000.00 | 4000.00 | 0.00      |
| 41  | 1940 | PAID TO A. B. C.   | 4100.00 | 4100.00 | 0.00      |
| 42  | 1941 | PAID TO A. B. C.   | 4200.00 | 4200.00 | 0.00      |
| 43  | 1942 | PAID TO A. B. C.   | 4300.00 | 4300.00 | 0.00      |
| 44  | 1943 | PAID TO A. B. C.   | 4400.00 | 4400.00 | 0.00      |
| 45  | 1944 | PAID TO A. B. C.   | 4500.00 | 4500.00 | 0.00      |
| 46  | 1945 | PAID TO A. B. C.   | 4600.00 | 4600.00 | 0.00      |
| 47  | 1946 | PAID TO A. B. C.   | 4700.00 | 4700.00 | 0.00      |
| 48  | 1947 | PAID TO A. B. C.   | 4800.00 | 4800.00 | 0.00      |
| 49  | 1948 | PAID TO A. B. C.   | 4900.00 | 4900.00 | 0.00      |
| 50  | 1949 | PAID TO A. B. C.   | 5000.00 | 5000.00 | 0.00      |
| 51  | 1950 | PAID TO A. B. C.   | 5100.00 | 5100.00 | 0.00      |
| 52  | 1951 | PAID TO A. B. C.   | 5200.00 | 5200.00 | 0.00      |
| 53  | 1952 | PAID TO A. B. C.   | 5300.00 | 5300.00 | 0.00      |
| 54  | 1953 | PAID TO A. B. C.   | 5400.00 | 5400.00 | 0.00      |
|     |      |                    |         |         |           |

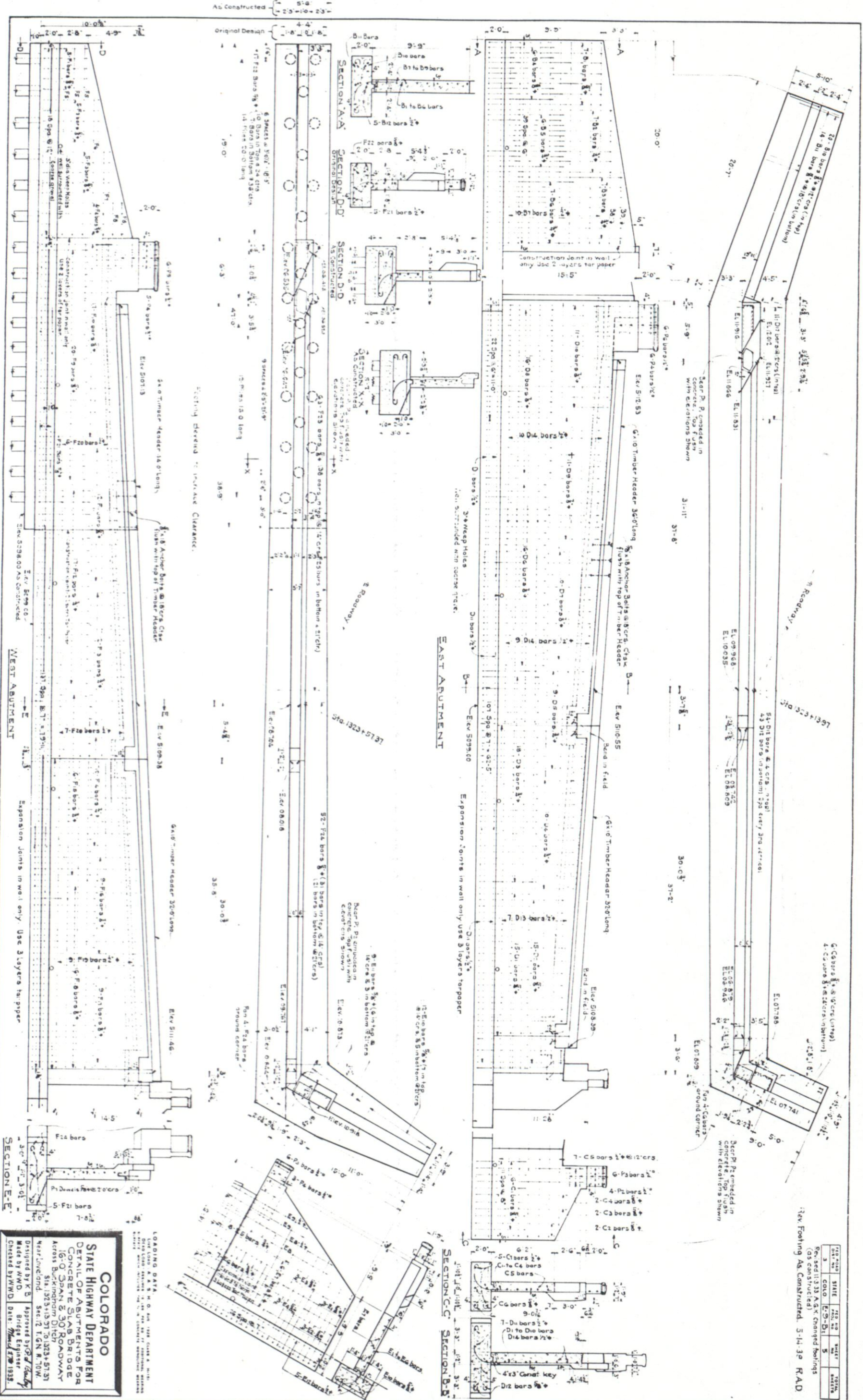
| BAR SUMMARY |      |             |      |       |      |       |     |        |     |
|-------------|------|-------------|------|-------|------|-------|-----|--------|-----|
| SIZE OF     |      | LBS PER LIN |      | TOTAL |      | TOTAL |     | ADVANT |     |
| DOZ         | FEET | IN          | FT   | WT    | LBS  | IN    | FT  | WT     | LBS |
| 1           | 2    | 0.850       | 1554 | 1036  | 1639 | 10074 | 425 | 532    | 60  |
| 2           | 4    | 0.850       | 1234 | 1049  | 1415 | 1476  | 150 | 104.6  | 120 |
| 3           | 6    | 0.850       | 914  | 1062  | 1083 | 1180  | 150 | 104.6  | 120 |
| 4           | 8    | 0.850       | 594  | 1075  | 800  | 850   | 150 | 104.6  | 120 |
| 5           | 10   | 0.850       | 274  | 1088  | 516  | 550   | 150 | 104.6  | 120 |
| 6           | 12   | 0.850       | 154  | 1101  | 281  | 300   | 150 | 104.6  | 120 |
| 7           | 14   | 0.850       | 134  | 1114  | 166  | 175   | 150 | 104.6  | 120 |
| 8           | 16   | 0.850       | 114  | 1127  | 91   | 95    | 150 | 104.6  | 120 |
| 9           | 18   | 0.850       | 94   | 1140  | 51   | 53    | 150 | 104.6  | 120 |
| 10          | 20   | 0.850       | 74   | 1153  | 26   | 27    | 150 | 104.6  | 120 |
| 11          | 22   | 0.850       | 54   | 1166  | 11   | 11    | 150 | 104.6  | 120 |
| 12          | 24   | 0.850       | 34   | 1179  | 6    | 6     | 150 | 104.6  | 120 |
| 13          | 26   | 0.850       | 14   | 1192  | 1    | 1     | 150 | 104.6  | 120 |
| 14          | 28   | 0.850       | 14   | 1205  | 0    | 0     | 150 | 104.6  | 120 |
| 15          | 30   | 0.850       | 14   | 1218  | 0    | 0     | 150 | 104.6  | 120 |
| 16          | 32   | 0.850       | 14   | 1231  | 0    | 0     | 150 | 104.6  | 120 |
| 17          | 34   | 0.850       | 14   | 1244  | 0    | 0     | 150 | 104.6  | 120 |
| 18          | 36   | 0.850       | 14   | 1257  | 0    | 0     | 150 | 104.6  | 120 |
| 19          | 38   | 0.850       | 14   | 1270  | 0    | 0     | 150 | 104.6  | 120 |
| 20          | 40   | 0.850       | 14   | 1283  | 0    | 0     | 150 | 104.6  | 120 |
| 21          | 42   | 0.850       | 14   | 1296  | 0    | 0     | 150 | 104.6  | 120 |
| 22          | 44   | 0.850       | 14   | 1309  | 0    | 0     | 150 | 104.6  | 120 |
| 23          | 46   | 0.850       | 14   | 1322  | 0    | 0     | 150 | 104.6  | 120 |
| 24          | 48   | 0.850       | 14   | 1335  | 0    | 0     | 150 | 104.6  | 120 |
| 25          | 50   | 0.850       | 14   | 1348  | 0    | 0     | 150 | 104.6  | 120 |
| 26          | 52   | 0.850       | 14   | 1361  | 0    | 0     | 150 | 104.6  | 120 |
| 27          | 54   | 0.850       | 14   | 1374  | 0    | 0     | 150 | 104.6  | 120 |
| 28          | 56   | 0.850       | 14   | 1387  | 0    | 0     | 150 | 104.6  | 120 |
| 29          | 58   | 0.850       | 14   | 1400  | 0    | 0     | 150 | 104.6  | 120 |
| 30          | 60   | 0.850       | 14   | 1413  | 0    | 0     | 150 | 104.6  | 120 |
| 31          | 62   | 0.850       | 14   | 1426  | 0    | 0     | 150 | 104.6  | 120 |
| 32          | 64   | 0.850       | 14   | 1439  | 0    | 0     | 150 | 104.6  | 120 |
| 33          | 66   | 0.850       | 14   | 1452  | 0    | 0     | 150 | 104.6  | 120 |
| 34          | 68   | 0.850       | 14   | 1465  | 0    | 0     | 150 | 104.6  | 120 |
| 35          | 70   | 0.850       | 14   | 1478  | 0    | 0     | 150 | 104.6  | 120 |
| 36          | 72   | 0.850       | 14   | 1491  | 0    | 0     | 150 | 104.6  | 120 |
| 37          | 74   | 0.850       | 14   | 1504  | 0    | 0     | 150 | 104.6  | 120 |
| 38          | 76   | 0.850       | 14   | 1517  | 0    | 0     | 150 | 104.6  | 120 |
| 39          | 78   | 0.850       | 14   | 1530  | 0    | 0     | 150 | 104.6  | 120 |
| 40          | 80   | 0.850       | 14   | 1543  | 0    | 0     | 150 | 104.6  | 120 |
| 41          | 82   | 0.850       | 14   | 1556  | 0    | 0     | 150 | 104.6  | 120 |
| 42          | 84   | 0.850       | 14   | 1569  | 0    | 0     | 150 | 104.6  | 120 |
| 43          | 86   | 0.850       | 14   | 1582  | 0    | 0     | 150 | 104.6  | 120 |
| 44          | 88   | 0.850       | 14   | 1595  | 0    | 0     | 150 | 104.6  | 120 |
| 45          | 90   | 0.850       | 14   | 1608  | 0    | 0     | 150 | 104.6  | 120 |
| 46          | 92   | 0.850       | 14   | 1621  | 0    | 0     | 150 | 104.6  | 120 |
| 47          | 94   | 0.850       | 14   | 1634  | 0    | 0     | 150 | 104.6  | 120 |
| 48          | 96   | 0.850       | 14   | 1647  | 0    | 0     | 150 | 104.6  | 120 |
| 49          | 98   | 0.850       | 14   | 1660  | 0    | 0     | 150 | 104.6  | 120 |
| 50          | 100  | 0.850       | 14   | 1673  | 0    | 0     | 150 | 104.6  | 120 |
| 51          | 102  | 0.850       | 14   | 1686  | 0    | 0     | 150 | 104.6  | 120 |
| 52          | 104  | 0.850       | 14   | 1699  | 0    | 0     | 150 | 104.6  | 120 |
| 53          | 106  | 0.850       | 14   | 1712  | 0    | 0     | 150 | 104.6  | 120 |
| 54          | 108  | 0.850       | 14   | 1725  | 0    | 0     | 150 | 104.6  | 120 |
| 55          | 110  | 0.850       | 14   | 1738  | 0    | 0     | 150 | 104.6  | 120 |
| 56          | 112  | 0.850       | 14   | 1751  | 0    | 0     | 150 | 104.6  | 120 |
| 57          | 114  | 0.850       | 14   | 1764  | 0    | 0     | 150 | 104.6  | 120 |
| 58          | 116  | 0.850       | 14   | 1777  | 0    | 0     | 150 | 104.6  | 120 |
| 59          | 118  | 0.850       | 14   | 1790  | 0    | 0     | 150 | 104.6  | 120 |
| 60          | 120  | 0.850       | 14   | 1803  | 0    | 0     | 150 | 104.6  | 120 |
| 61          | 122  | 0.850       | 14   | 1816  | 0    | 0     | 150 | 104.6  | 120 |
| 62          | 124  | 0.850       | 14   | 1829  | 0    | 0     | 150 | 104.6  | 120 |
| 63          | 126  | 0.850       | 14   | 1842  | 0    | 0     | 150 | 104.6  | 120 |
| 64          | 128  | 0.850       | 14   | 1855  | 0    | 0     | 150 | 104.6  | 120 |
| 65          | 130  | 0.850       | 14   | 1868  | 0    | 0     | 150 | 104.6  | 120 |
| 66          | 132  | 0.850       | 14   | 1881  | 0    | 0     | 150 | 104.6  | 120 |
| 67          | 134  | 0.850       | 14   | 1894  | 0    | 0     | 150 | 104.6  | 120 |
| 68          | 136  | 0.850       | 14   | 1907  | 0    | 0     | 150 | 104.6  | 120 |
| 69          | 138  | 0.850       | 14   | 1920  | 0    | 0     | 150 | 104.6  | 120 |
| 70          | 140  | 0.850       | 14   | 1933  | 0    | 0     | 150 | 104.6  | 120 |
| 71          | 142  | 0.850       | 14   | 1946  | 0    | 0     | 150 | 104.6  | 120 |
| 72          | 144  | 0.850       | 14   | 1959  | 0    | 0     | 150 | 104.6  | 120 |
| 73          | 146  | 0.850       | 14   | 1972  | 0    | 0     | 150 | 104.6  | 120 |
| 74          | 148  | 0.850       | 14   | 1985  | 0    | 0     | 150 | 104.6  | 120 |
| 75          | 150  | 0.850       | 14   | 1998  | 0    | 0     | 150 | 104.6  | 120 |
| 76          | 152  | 0.850       | 14   | 2011  | 0    | 0     | 150 | 104.6  | 120 |
| 77          | 154  | 0.850       | 14   | 2024  | 0    | 0     | 150 | 104.6  | 120 |
| 78          | 156  | 0.850       | 14   | 2037  | 0    | 0     | 150 | 104.6  | 120 |
| 79          | 158  | 0.850       | 14   | 2050  | 0    | 0     | 150 | 104.6  | 120 |
| 80          | 160  | 0.850       | 14   | 2063  | 0    | 0     | 150 | 104.6  | 120 |
| 81          | 162  | 0.850       | 14   | 2076  | 0    | 0     | 150 | 104.6  | 120 |
| 82          | 164  | 0.850       | 14   | 2089  | 0    | 0     | 150 | 104.6  | 120 |
| 83          | 166  | 0.850       | 14   | 2102  | 0    | 0     | 150 | 104.6  | 120 |
| 84          | 168  | 0.850       | 14   | 2115  | 0    | 0     | 150 | 104.6  | 120 |
| 85          | 170  | 0.850       | 14   | 2128  | 0    | 0     | 150 | 104.6  | 120 |
| 86          | 172  | 0.850       | 14   | 2141  | 0    | 0     | 150 | 104.6  | 120 |
| 87          | 174  | 0.850       | 14   | 2154  | 0    | 0     | 150 | 104.6  | 120 |
| 88          | 176  | 0.850       | 14   | 2167  | 0    | 0     | 150 | 104.6  | 120 |
| 89          | 178  | 0.850       | 14   | 2180  | 0    | 0     | 150 | 104.6  | 120 |
| 90          | 180  | 0.850       | 14   | 2193  | 0    | 0     | 150 | 104.6  | 120 |
| 91          | 182  | 0.850       | 14   | 2206  | 0    | 0     | 150 | 104.6  | 120 |
| 92          | 184  | 0.850       | 14   | 2219  | 0    | 0     | 150 | 104.6  | 120 |
| 93          | 186  | 0.850       | 14   | 2232  | 0    | 0     | 150 | 104.6  | 120 |
| 94          | 188  | 0.850       | 14   | 2245  | 0    | 0     | 150 | 104.6  | 120 |
| 95          | 190  | 0.850       | 14   | 2258  | 0    | 0     | 150 | 104.6  | 120 |
| 96          | 192  | 0.850       | 14   | 2271  | 0    | 0     | 150 | 104.6  | 120 |
| 97          | 194  | 0.850       | 14   | 2284  | 0    | 0     | 150 | 104.6  | 120 |
| 98          | 196  | 0.850       | 14   | 2297  | 0    | 0     | 150 | 104.6  | 120 |
| 99          | 198  | 0.850       | 14   | 2310  | 0    | 0     | 150 | 104.6  | 120 |
| 100         | 200  | 0.850       | 14   | 2323  | 0    | 0     | 150 | 104.6  | 120 |
| 101         | 202  | 0.850       | 14   | 2336  | 0    | 0     | 150 | 104.6  | 120 |
| 102         | 204  | 0.850       | 14   | 2349  | 0    | 0     | 150 | 104.6  | 120 |
| 103         | 206  | 0.850       | 14   | 2362  | 0    | 0     | 150 | 104.6  | 120 |
| 104         | 208  | 0.850       | 14   | 2375  | 0    | 0     | 150 | 104.6  | 120 |
| 105         | 210  | 0.850       | 14   | 2388  | 0    | 0     | 150 | 104.6  | 120 |
| 106         | 212  | 0.850       | 14   | 2401  | 0    | 0     | 150 | 104.6  | 120 |
| 107         | 214  | 0.850       | 14   | 2414  | 0    | 0     | 150 | 104.6  | 120 |
| 108         | 216  | 0.850       | 14   | 2427  | 0    | 0     | 150 | 104.6  | 120 |
| 109         | 218  | 0.850       | 14   | 2440  | 0    | 0     | 150 | 104.6  | 120 |
| 110         | 220  | 0.850       | 14   | 2453  | 0    | 0     | 150 | 104.6  | 120 |
| 111         | 222  | 0.850       | 14   | 2466  | 0    | 0     | 150 | 104.6  | 120 |
| 112         | 224  | 0.850       | 14   | 2479  | 0    | 0     | 150 | 104.6  | 120 |
| 113         | 226  | 0.850       | 14   | 2492  | 0    | 0     | 150 | 104.6  | 120 |
| 114         | 228  | 0.850       | 14   | 2505  | 0    | 0     | 150 | 104.6  | 120 |
| 115         | 230  | 0.850       | 14   | 2518  | 0    | 0     | 150 | 104.6  | 120 |
| 116         | 232  | 0.850       | 14   | 2531  | 0    | 0     | 150 | 104.6  | 120 |
| 117         | 234  | 0.850       | 14   | 2544  | 0    | 0     | 150 | 104.6  | 120 |
| 118         | 236  | 0.850       | 14   | 2557  | 0    | 0     | 150 | 104.6  | 120 |
| 119         | 238  | 0.850       | 14   | 2570  | 0    | 0     | 150 | 104.6  | 120 |
| 120         | 240  | 0.850       | 14   | 2583  | 0    | 0     | 150 | 104.6  | 120 |
| 121         | 242  | 0.850       | 14   | 2596  | 0    | 0     | 150 | 104.6  | 120 |
| 122         | 244  | 0.850       | 14   | 2609  | 0    | 0     | 150 | 104.6  | 120 |
| 123         | 246  | 0.850       | 14   | 2622  | 0    | 0     | 150 | 104.6  | 120 |
| 124         | 248  | 0.850       | 14   | 2635  | 0    | 0     | 150 | 104.6  | 120 |
| 125         | 250  | 0.850       | 14   | 2648  | 0    | 0     | 150 | 104.6  | 120 |
| 126         | 252  | 0.850       | 14   | 2661  | 0    | 0     | 150 | 104.6  | 120 |
| 127         | 254  | 0.850       | 14   | 2674  | 0    | 0     | 150 | 104.6  | 120 |
| 128         | 256  | 0.850       | 14   | 2687  | 0    | 0     | 150 | 104.6  | 120 |
| 129         | 258  | 0.850       | 14   | 2700  | 0    | 0     | 150 | 104.6  | 120 |
| 130         | 260  | 0.850       | 14   | 2713  | 0    | 0     | 150 | 104.6  | 120 |
| 131         | 262  | 0.850       | 14   | 2726  | 0    | 0     | 150 | 104.6  | 120 |
| 132         | 264  | 0.850       | 14   | 2739  | 0    | 0     | 150 | 104.6  | 120 |
| 133         | 266  | 0.850       | 14   | 2752  | 0    | 0     | 150 | 104.6  | 120 |
| 134         | 268  | 0.850       | 14   | 2765  | 0    | 0     | 150 | 104.6  | 120 |
| 135         | 270  | 0.850       | 14   | 2778  | 0    | 0     | 150 | 104.6  | 120 |
| 136         | 272  | 0.850       | 14   | 2791  | 0    | 0     | 150 | 104.6  | 120 |
| 137         | 274  | 0.850       | 14   | 2804  | 0    | 0     | 150 | 104.6  | 120 |
| 138         | 276  | 0.850       | 14   | 2817  | 0    | 0     | 150 | 104.6  | 120 |
| 139         | 278  | 0.850       | 14   | 2830  | 0    | 0     | 150 | 104.6  | 120 |
| 140         | 280  | 0.850       | 14   | 2843  | 0    | 0     | 150 | 104.6  | 120 |
| 141         | 282  | 0.850       | 14   | 2856  | 0    | 0     | 150 | 104.6  | 120 |
| 142         | 284  | 0.850       | 14   | 2869  | 0    | 0     | 150 | 104.6  | 120 |
| 143         | 286  | 0.850       | 14   | 2882  | 0    | 0     | 150 | 104.6  | 120 |
| 144         | 288  | 0.850       | 14   | 2895  | 0    | 0     | 150 | 104.6  | 120 |
| 145         | 290  | 0.850       | 14   | 2908  | 0    | 0     | 150 | 104.6  | 120 |
| 146         | 292  | 0.850       | 14   | 2921  | 0    | 0     | 150 | 104.6  | 120 |
| 147         | 294  | 0.850       | 14   | 2934  | 0    | 0     | 150 | 104.6  | 120 |
| 148         |      |             |      |       |      |       |     |        |     |

STRUCTURE NO. C-16-Y



| NO. | STATE | FIG. NO. | SHEET | TOTAL |
|-----|-------|----------|-------|-------|
| 1   | COLO. | 1133     | 5     | 5     |

1. Rev. Footing As Constructed. 3-14-32 RAD

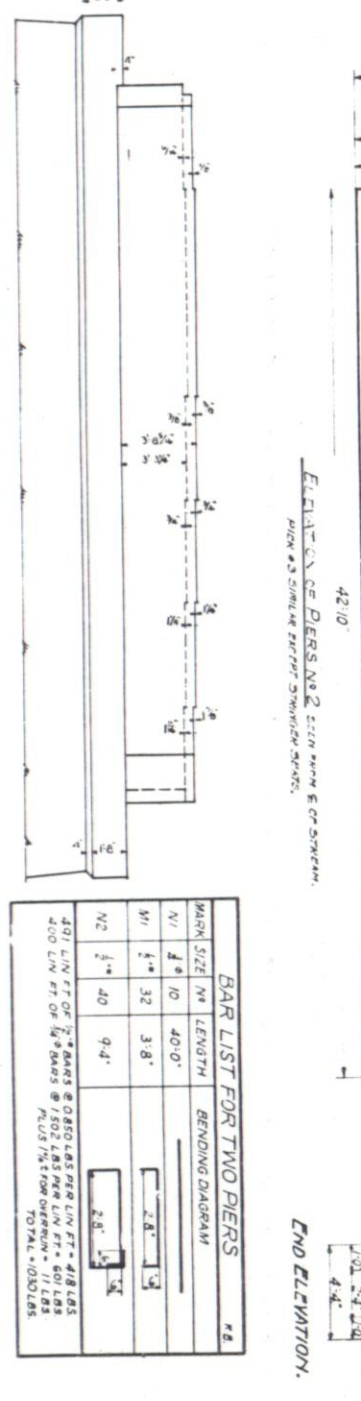
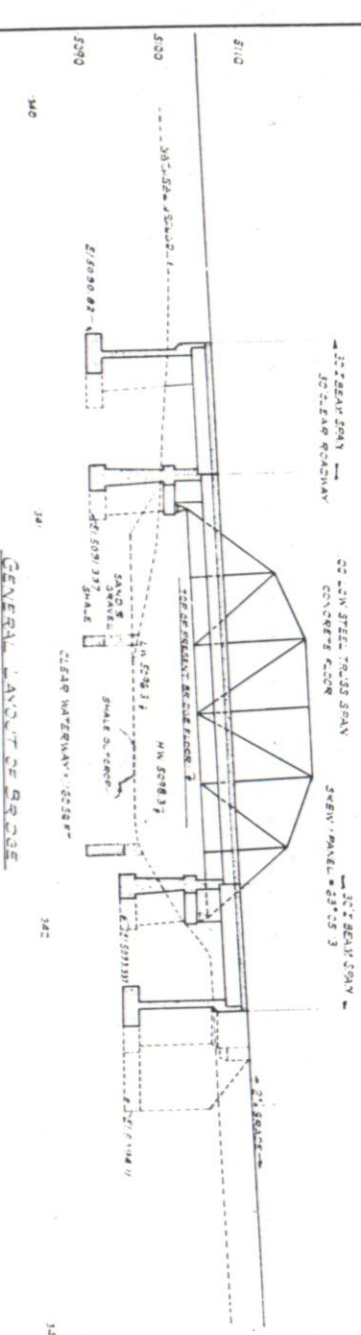
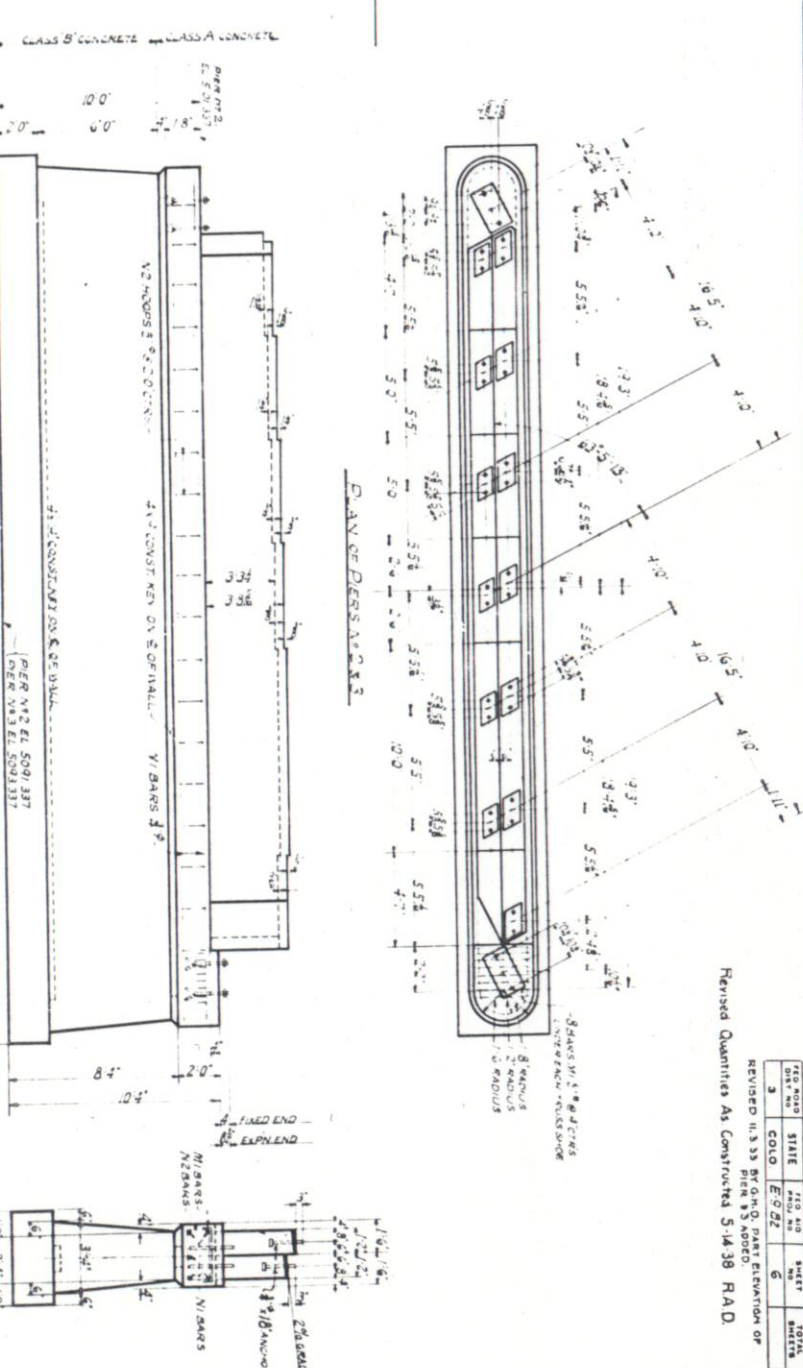


**COLORADO**  
**STATE HIGHWAY DEPARTMENT**  
 DETAIL OF ABUTMENTS FOR  
 CONCRETE SLAB BRIDGE  
 16-0' SPAN & 30' ROADWAY  
 Across Buckhorn Ditch  
 Sta. 123+13.37 to 123+57.37  
 Near Lone Pine, Sec. 12, T. 6N. R. 10W.  
 Designed by R. B. Approved by R. B. 1/24/32  
 Made by W. M. O. Bridge Engineer  
 Checked by W. M. O. Date: March 27, 1932

STRUCTURE NO. C-16-Y



Revised Quantities As Constructed 5-14-38 R.A.D.



| SUMMARY OF QUANTITIES FOR ENTIRE STRUCTURE |                                | UNIT PRICE |          | TOTAL      |        |
|--------------------------------------------|--------------------------------|------------|----------|------------|--------|
| ITEM NO.                                   | DESCRIPTION                    | UNIT       | QUANTITY | UNIT PRICE | TOTAL  |
| 1.1                                        | CONCRETE STRUCTURAL EXCAVATION | CY         | 1141     | 6.33       | 1836   |
| 1.2                                        | DRY COMMON "                   | CY         | 1191     | 9.06       | 2255   |
| 1.3                                        | WET ROCK "                     | CY         | 242      | 2.67       | 509    |
| 1.4                                        | AS-CONCRETE                    | CY         | 225      | 2.55       | 410    |
| 1.5                                        | UN-WEATED BRIDGE TYRER         | EA         | 38       | 75         | 65     |
| 1.6                                        | CLAS A CONCRETE                | CY         | 85       | 82         | 335    |
| 1.7                                        | REINFORCING STEEL              | LB         | 5530     | 11.00      | 5662   |
| 1.8                                        | STRUCTURAL STEEL               | LB         | 40       | 4000       | 179098 |
| 1.9                                        | REINFORCING STEEL              | LB         | 40       | 4000       | 179098 |
| 2.1                                        | BRIDGE PAVEMENT                | EA         | 2        | 2          | 2      |
| 2.2                                        | BRIDGE PAVEMENT                | EA         | 2        | 2          | 2      |
| 2.3                                        | BRIDGE PAVEMENT                | EA         | 2        | 2          | 2      |
| 2.4                                        | BRIDGE PAVEMENT                | EA         | 2        | 2          | 2      |
| 2.5                                        | BRIDGE PAVEMENT                | EA         | 2        | 2          | 2      |

## GENERAL NOTES

[illegible]

PART ELEVATION OF PIER NO. 3  
SPENT FROM THE STREAM.

ELEVATION OF PIERS NO 2 - 22 IN RIVER ECP STREAM.  
PIER NO 3 SIMILAR EXCEPT STRONGER STENTS.

END ELEVATION.

BAR LIST FOR TWO PIERS

| BAR LIST FOR TWO PIERS |      |    |        | #                                                                                   |
|------------------------|------|----|--------|-------------------------------------------------------------------------------------|
| MARK                   | SIZE | #  | LENGTH | BENDING DIAGRAM                                                                     |
| N/1                    | # 8  | 10 | 40'-0" |  |
| N/1                    | # 8  | 32 | 3'-8"  |  |
| N/2                    | # 8  | 40 | 9'-4"  |  |

401 LIN. FT. OF #8 BARS @ 0.850 LBS PER LIN. FT. = 401 LBS  
 400 LIN. FT. OF #8 BARS @ 1.052 LBS PER LIN. FT. = 401 LBS  
 PLUS 1% FOR LOSS = 405 LBS  
 TOTAL = 1030 LBS

REFERENCE DRAWINGS

SHEET NO 7 SUPERSTRUCTURE - EAST & WEST APPROACH SPANS

SHEET NO 8 SUBSTRUCTURE - EAST & WEST ABUTMENTS

SHEET NO 9 STD 100 FT X 30 FT STEEL LOW TRUSS

COLORADO

**COLORADO**

**STATE HIGHWAY DEPARTMENT**

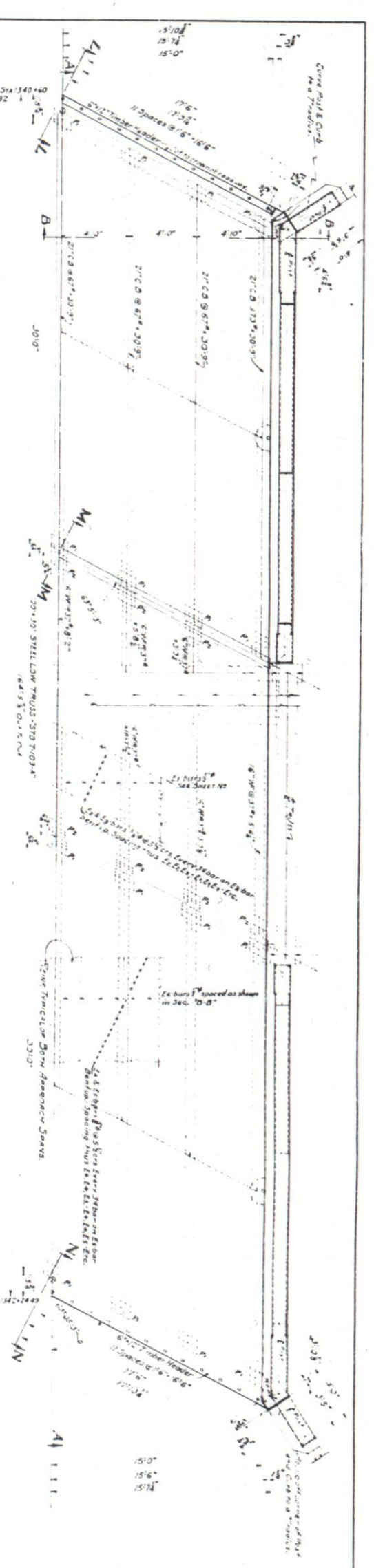
**PIERS IN 2<sup>ND</sup> 3<sup>RD</sup> AND GENERAL LAUNCH  
FOR ONE SPAN & APPROACH SPANS,  
AND 2<sup>ND</sup> APPROACH SPANS,  
ACROSS THE SAMPSON RIVER  
AT STA. 340.0-60.0 TO 342.2-24.9  
NEAR LOVELAND**

Designed by EFM  
Made by WMB  
Checked by KJB

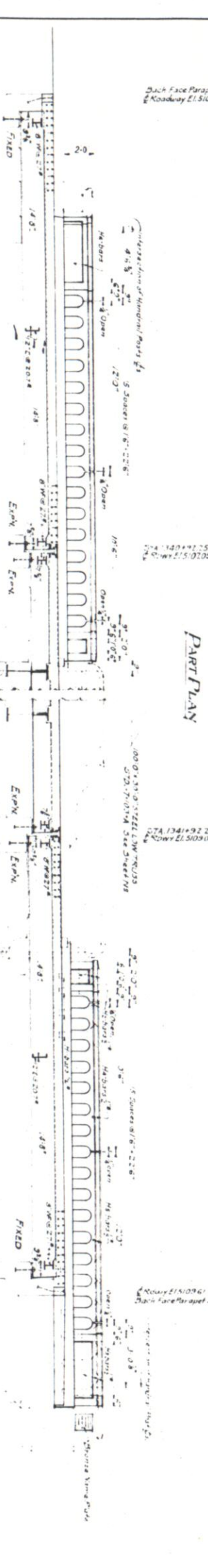
Approved by *[Signature]*  
Bridge Engineer  
Date: 11/26/2013



| NO. | DATE | BY    | CHKD. | APPROVED |
|-----|------|-------|-------|----------|
| 1   | 1933 | COLO. | 7     |          |



DETAILS OF END DIAPHRAGM CONNECTIONS.



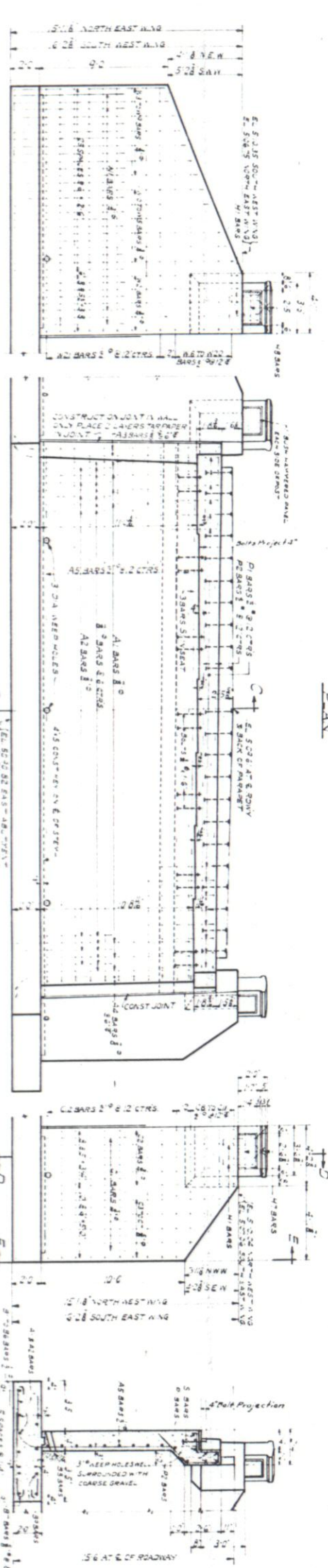
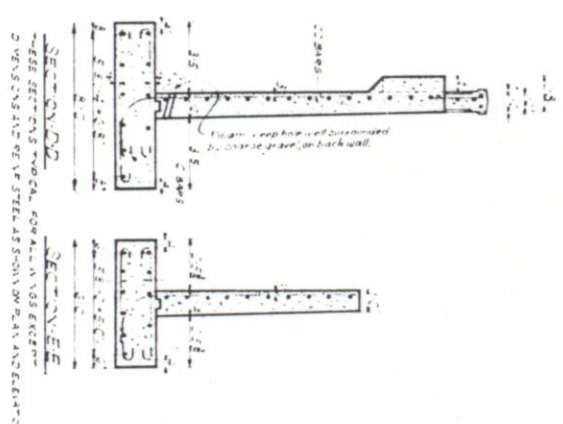
DETAILS OF MIDDLE DIAPHRAGM CONNECTIONS.

SECTIONAL ELEVATION 'A-A'

| NO. | SIZE | LENGTH |
|-----|------|--------|
|-----|------|--------|

|     |          |        |
|-----|----------|--------|
| 1   | 3" x 36" | 37'-0" |
| 2   | 3" x 36" | 37'-0" |
| 3   | 3" x 36" | 37'-0" |
| 4   | 3" x 36" | 37'-0" |
| 5   | 3" x 36" | 37'-0" |
| 6   | 3" x 36" | 37'-0" |
| 7   | 3" x 36" | 37'-0" |
| 8   | 3" x 36" | 37'-0" |
| 9   | 3" x 36" | 37'-0" |
| 10  | 3" x 36" | 37'-0" |
| 11  | 3" x 36" | 37'-0" |
| 12  | 3" x 36" | 37'-0" |
| 13  | 3" x 36" | 37'-0" |
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| 376 | 3" x 36" | 37'-0  |



[illegible][illegible]

RECORDS FOR EAST AFRICA. SAVE AS FOR NEXT ABUTMENT  
BUT EACH ROW SHALL INCLUDE STEEL BARS FOR EACH ABUTMENT SEPARATE  
AND TAG FOR STATION NUMBER AND ABUTMENT.

LIFE LOSS - A A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
ON ON - always - as are all individual names  
never received from "in connection with" or  
received

067 SEINE RD N  
STREET W GENERAL & ABOUT BIRDELS & SURVAY OF QUARTERS  
SECT V-1 SUPERSTOCK REE EAST & WEST APPROACH SPANS  
STREET NIG STD. CONCR. CONC. STEEL CORRUSS  
Minimum Soil Pressure for Abutments 3500 lb./sq. ft.

Maximum Coil Pressure for All Elements 3500 lbf/in<sup>2</sup>

STRUCTURE NO. C-16-Z





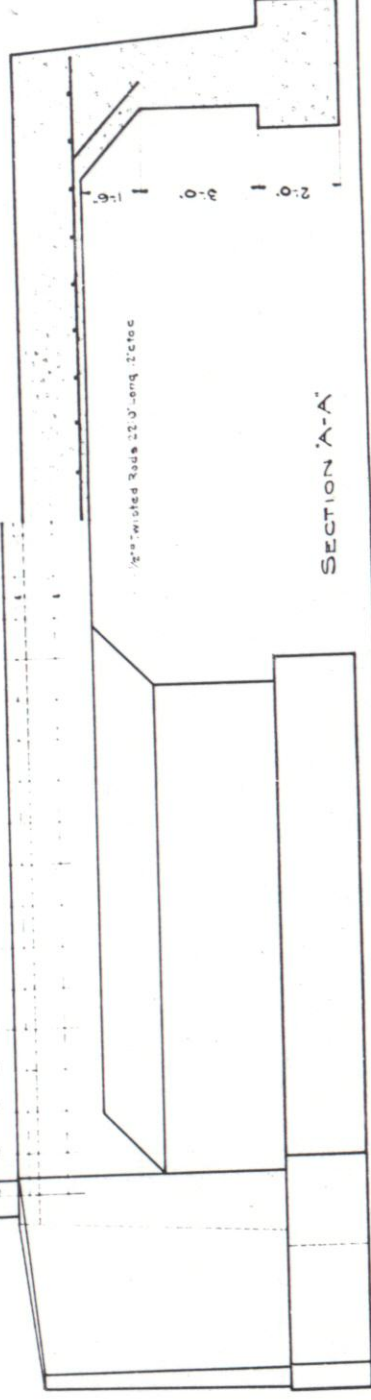
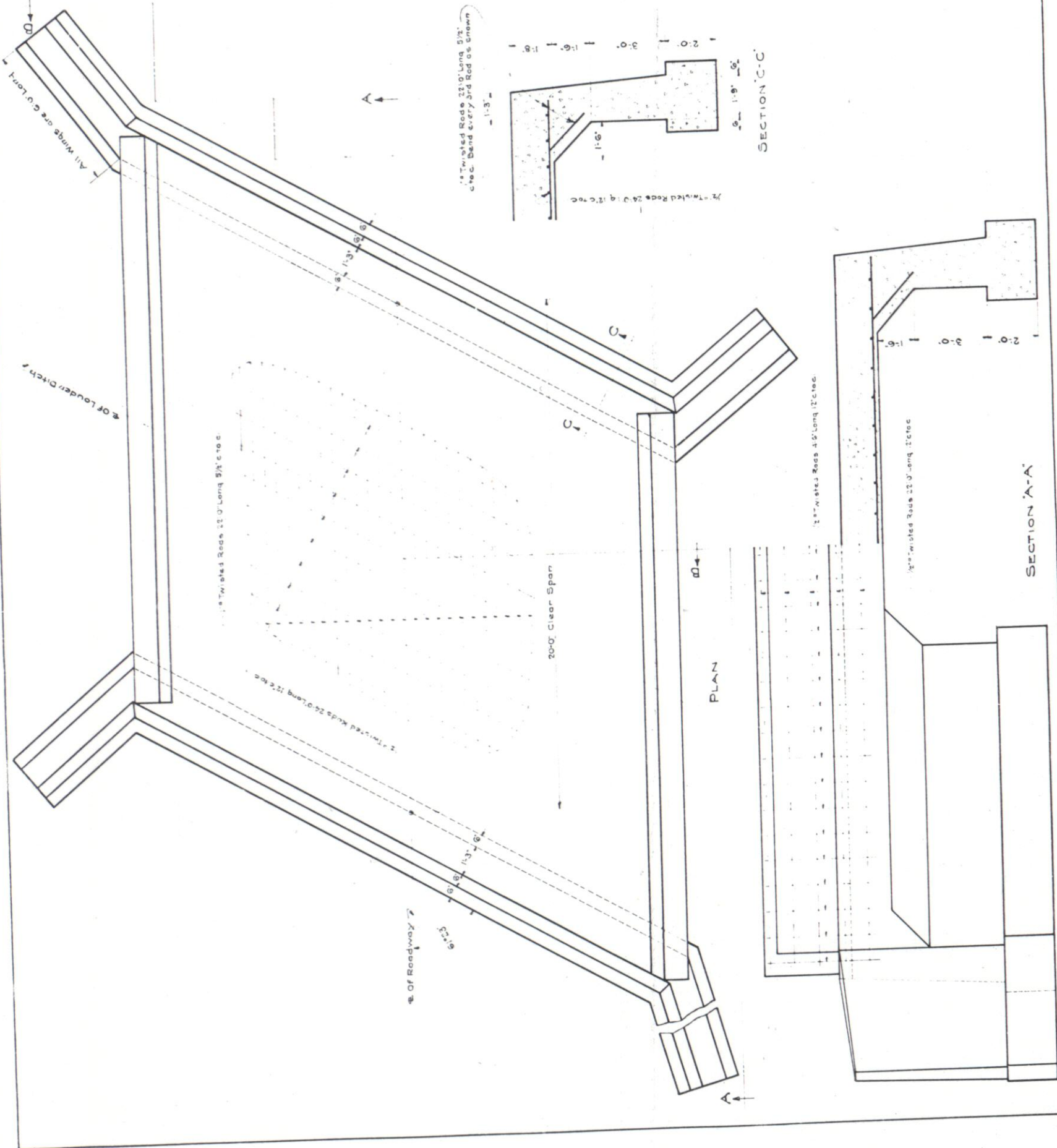
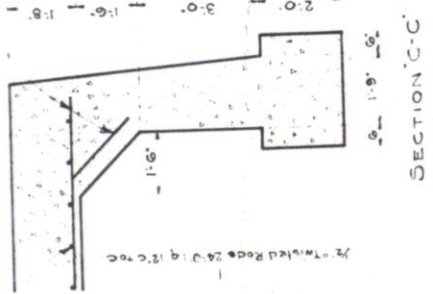
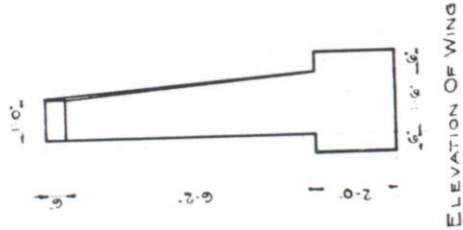
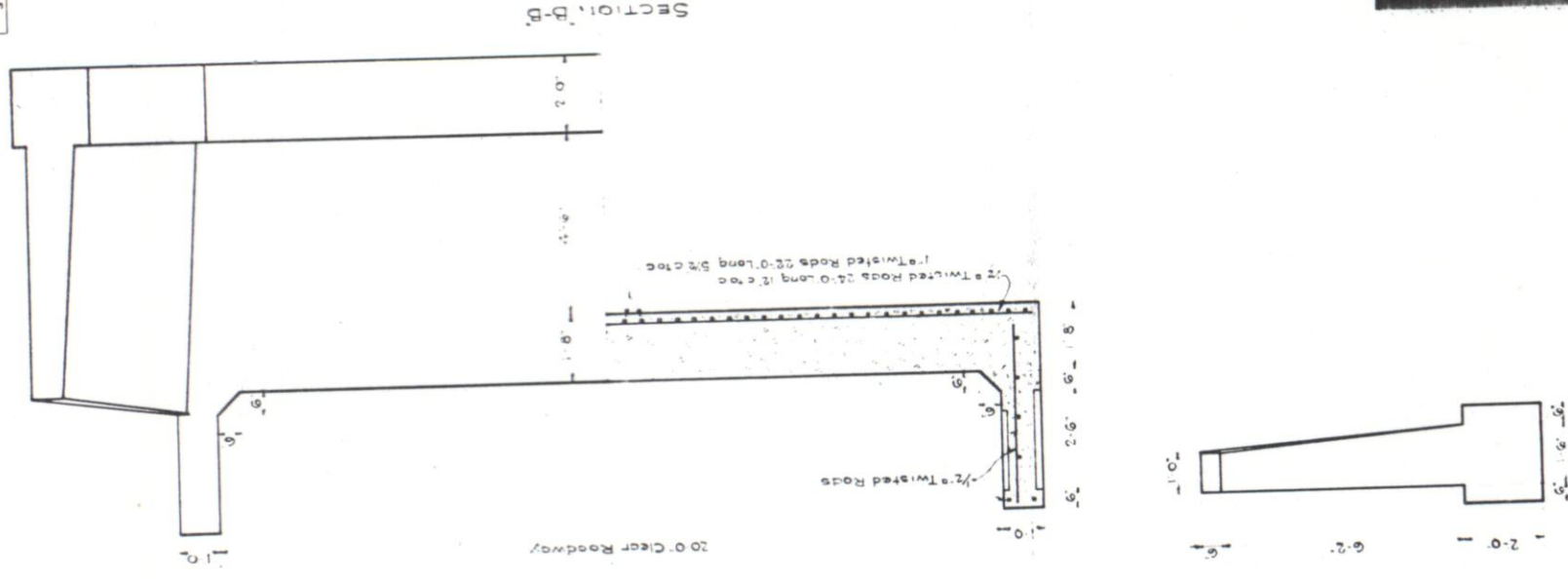


|            |       |             |           |              |
|------------|-------|-------------|-----------|--------------|
| VED. NO. 0 | STATE | VED. NO. 96 | SHEET NO. | TOTAL SHEETS |
| 0          | 0000  | 0000        |           |              |

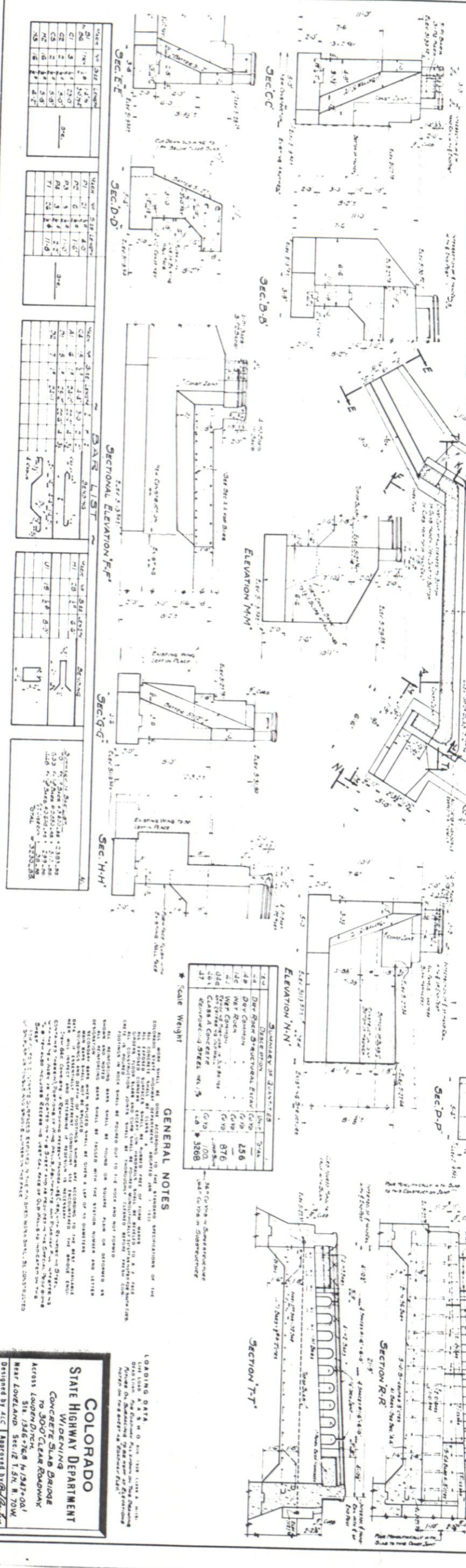
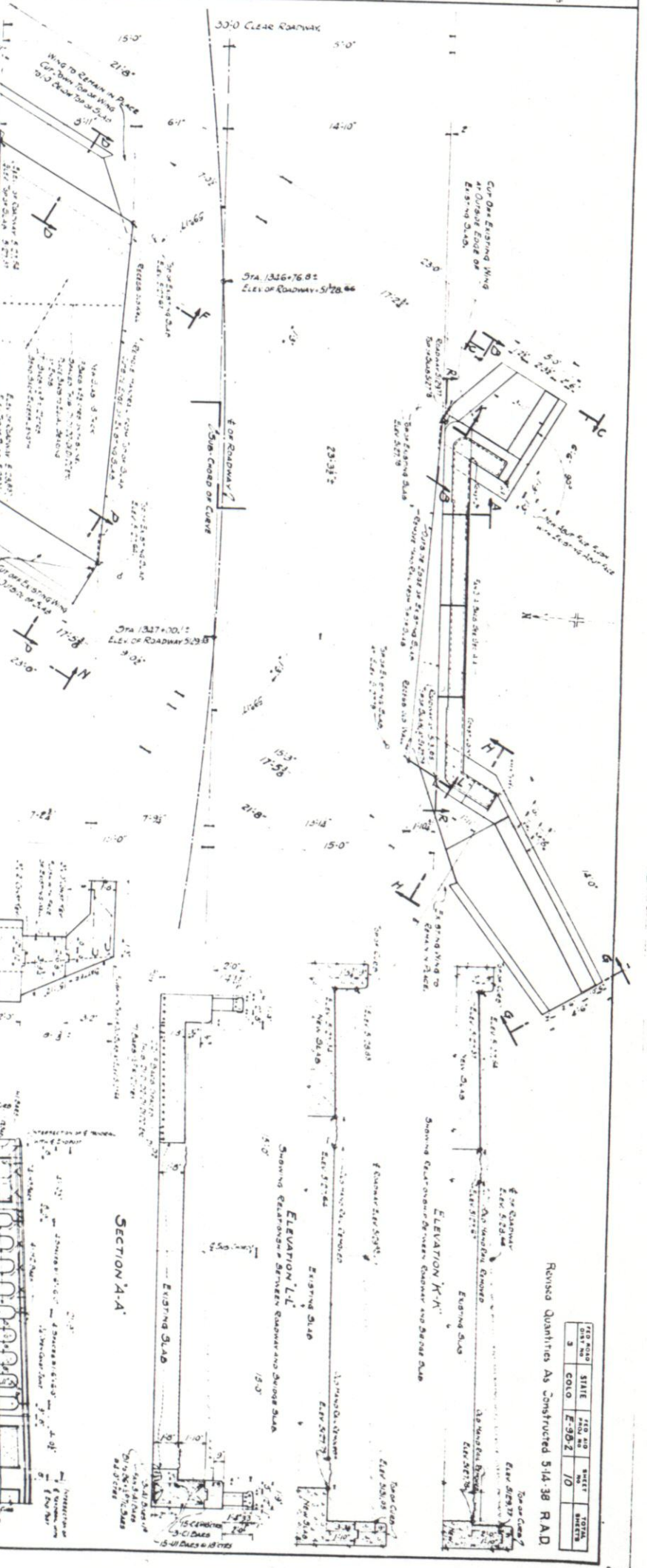
**COLORADO**  
**STATE HIGHWAY DEPARTMENT**  
**CONCRETE SLAB BRIDGE**  
**20' SPAN & 20' ROADWAY**

|                                                      |                                              |
|------------------------------------------------------|----------------------------------------------|
| Across Loudon Ditch<br>Sta. 1346+76<br>Near Loveland | Sec. 12 T. 5 N. R. 10 W.                     |
| Designed by<br>Made by WWD<br>Checked by <u>rsd</u>  | Approved by<br>Bridge Engineer<br>Date: 1932 |

STRUCTURE NO. C-16-R.







| FED AID<br>DIV NO | STATE    | FED AID<br>PROJ NO | SHEET<br>NO | TOTAL<br>SHEETS |
|-------------------|----------|--------------------|-------------|-----------------|
| 3                 | COLORADO | E-98-2             | 10          |                 |

Revised Quantities As Constructed 5-14-38 R.A.D.

## COLORADO

STATE HIGHWAY DEPARTMENT  
WIDENING  
CONCRETE SLAB BRIDGE  
TO 30-0' CLEAR ROADWAY  
ACROSS LOUDEN DITCH  
Sta. 1346+75 to 1417+00

|                 |                               |
|-----------------|-------------------------------|
| Designed by ALC | Approved by <i>Red Bailey</i> |
| Made by ALC     | Bridge Engineer               |
| Checked by AFN  | Date: <i>March 27/1933.</i>   |

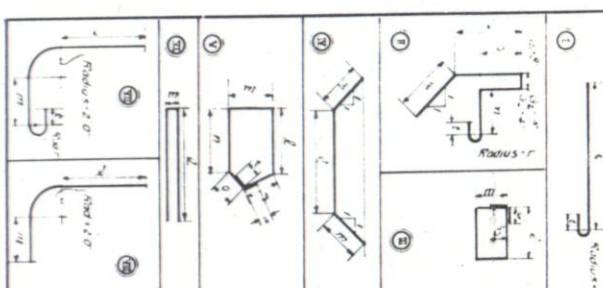
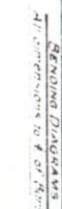
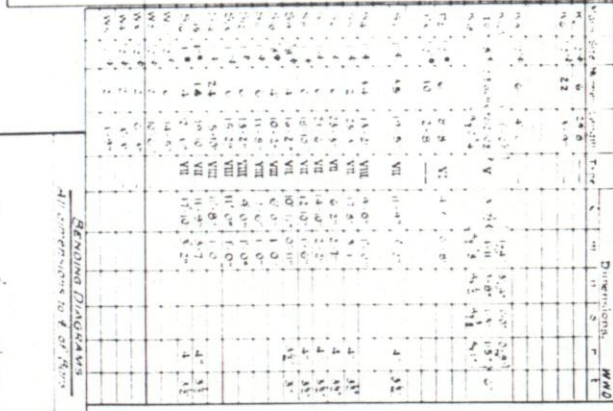
STRUCTURE NO. C-16-R.





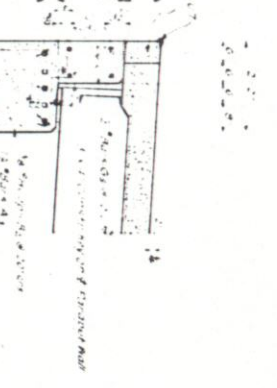
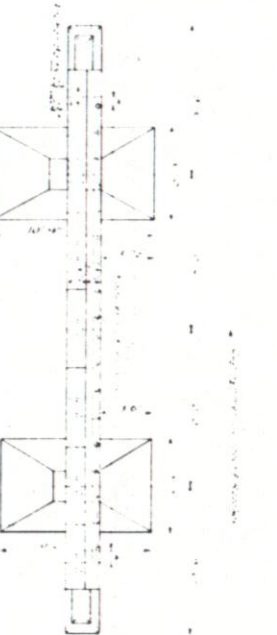
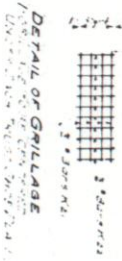
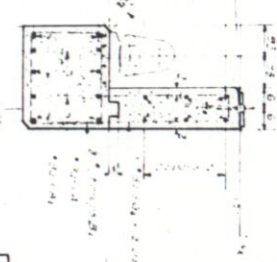
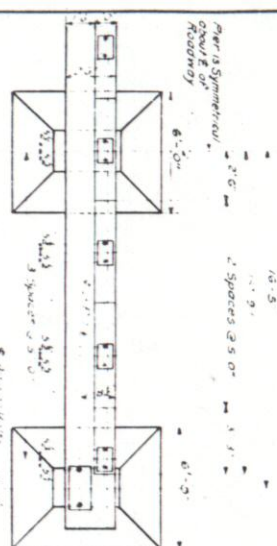


BAR LIST FOR ABUTMENT NO 1



STRUCTURE NO. C-16-A:A



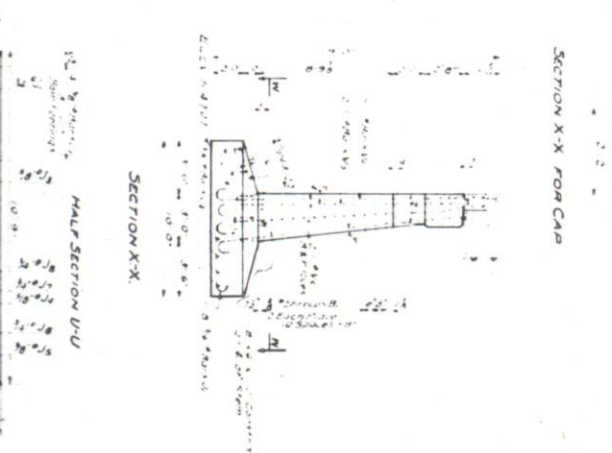
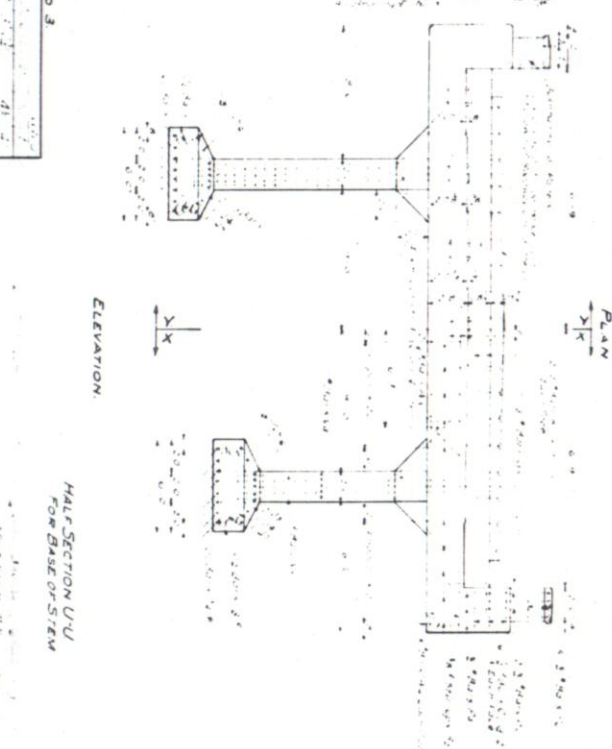
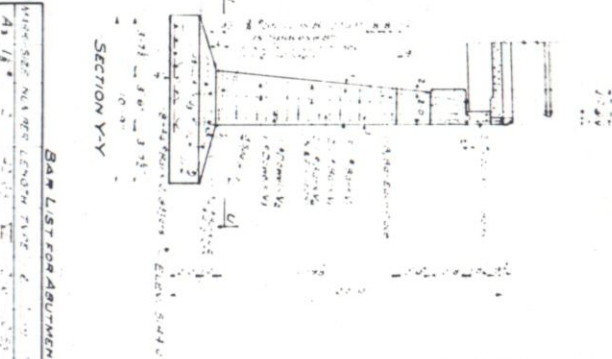
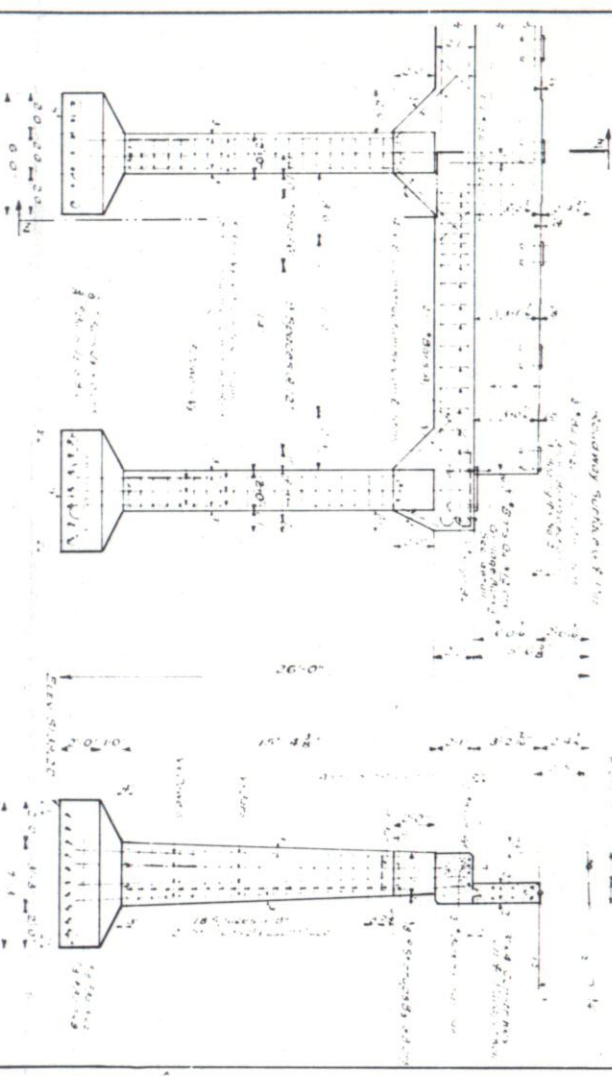


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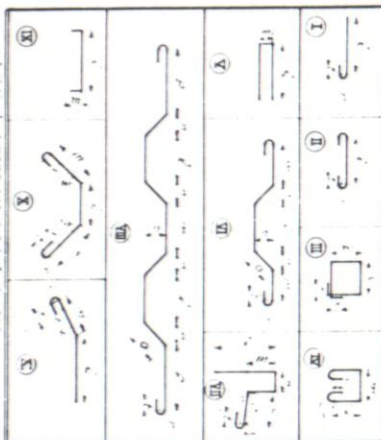
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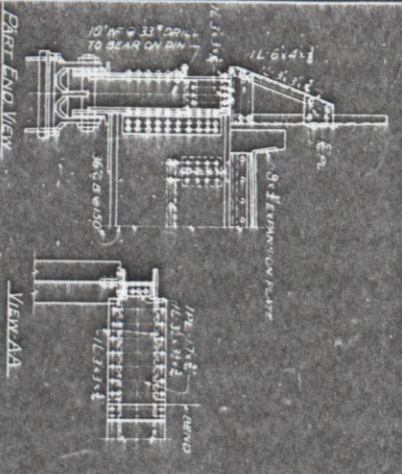
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| BAR LIST FOR PIER NO. 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |
|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|



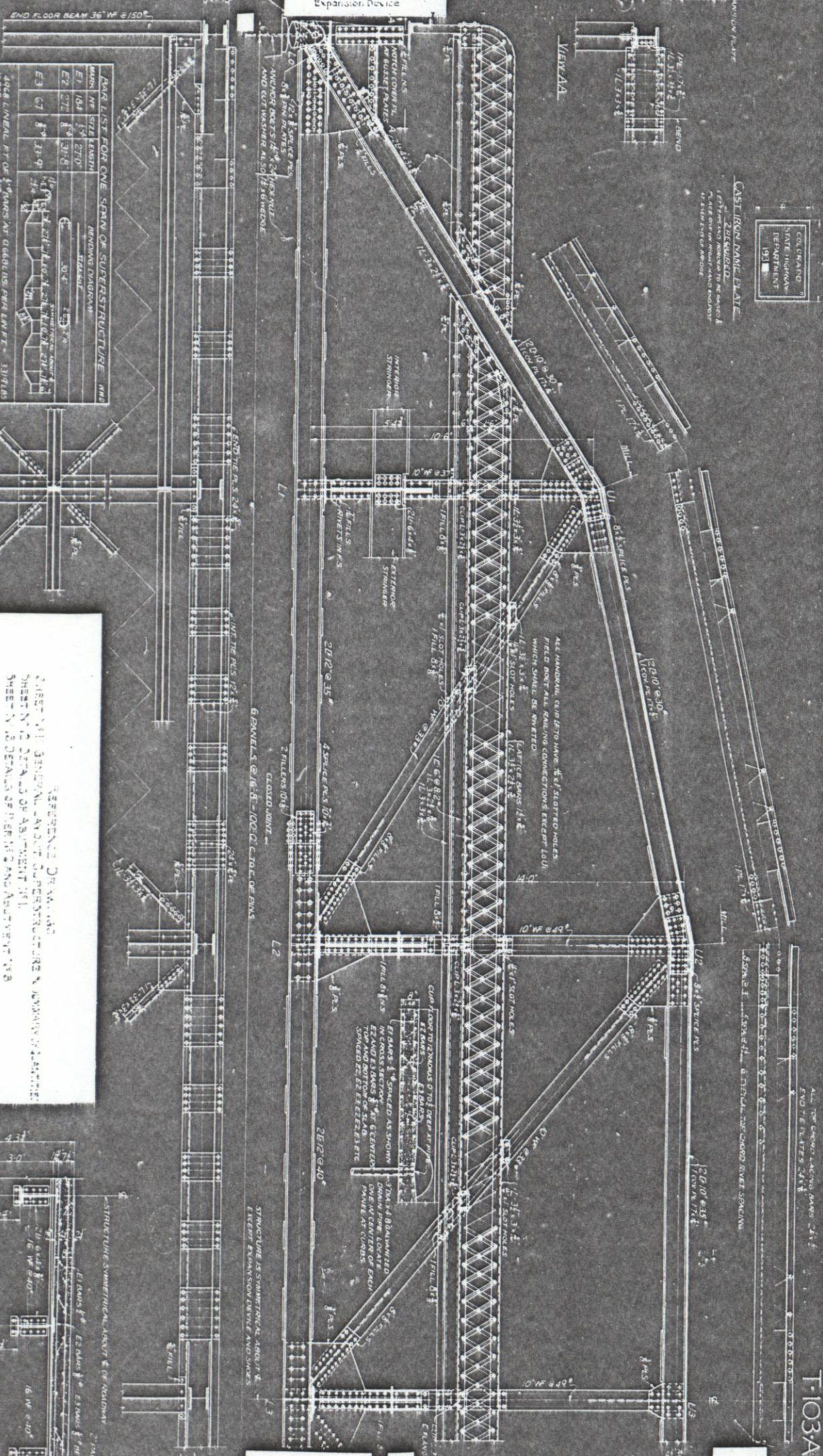
COLORADO  
STATE HIGHWAY  
DEPARTMENT  
1931

CAST IRON NAME PLATE

2 REQUIRED  
1.5" FROM EACH END AND 1" FROM EACH SIDE  
1" FROM EACH CORNER



See Sheet 1011 for  
Expansion Device



DATA LIST FOR ONE SPAN OF SUPERSTRUCTURE AND  
RAILWAY TRACK

| ITEM | NO. | SIZE | LENGTH | WEIGHT | REMARKS |
|------|-----|------|--------|--------|---------|
| E1   | 104 | 3"   | 270'   | 10,400 | BEAMS   |
| E2   | 272 | 3"   | 318'   | 10,400 | BEAMS   |
| E3   | 67  | 3"   | 319'   | 10,400 | BEAMS   |

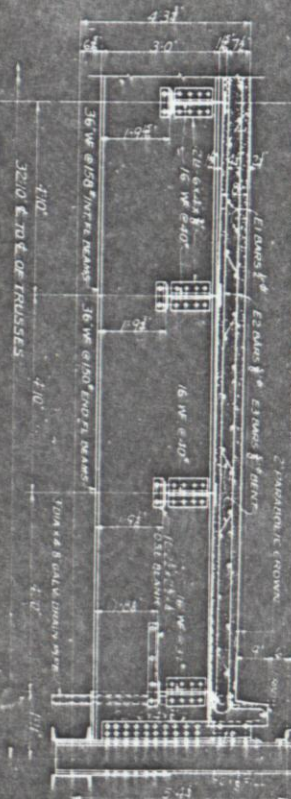
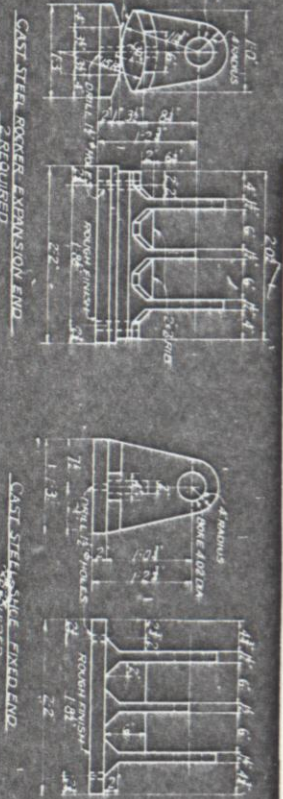
45000 LBS. 20" x 35" 45000 LBS. 20" x 35" 45000 LBS.  
10815 LINEAL FT. OF 8" DIAM. 10815 LBS. 10815 LBS.  
TOTAL = 14810 LBS.

ESTIMATED QUANTITIES

| ITEM | DESCRIPTION          | UNIT | QTY    | PRICE | AMT.     |
|------|----------------------|------|--------|-------|----------|
| 46a  | CONCRETE CLASS A     | CY   | 82     | 1.45  | 118.90   |
| 47   | REINFORCING STEEL    | LBS  | 14,310 | 0.15  | 2,146.50 |
| 48   | STRUCTURAL STEEL     | LBS  | 14,310 | 0.15  | 2,146.50 |
| 49b  | CAST IRON NAME PLATE | EA   | 12     | 1.25  | 15.00    |



GENERAL NOTES:  
1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.  
2. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.  
3. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.



GENERAL NOTES:  
1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.  
2. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.  
3. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.

COLORADO  
STATE HIGHWAY DEPARTMENT  
100 FT. SPAN STEEL LOW TRUSS  
CONCRETE FLOOR

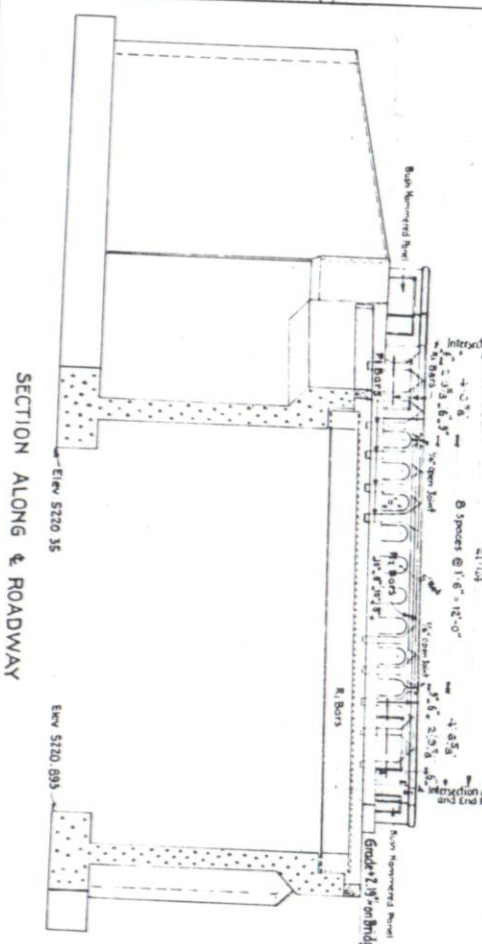
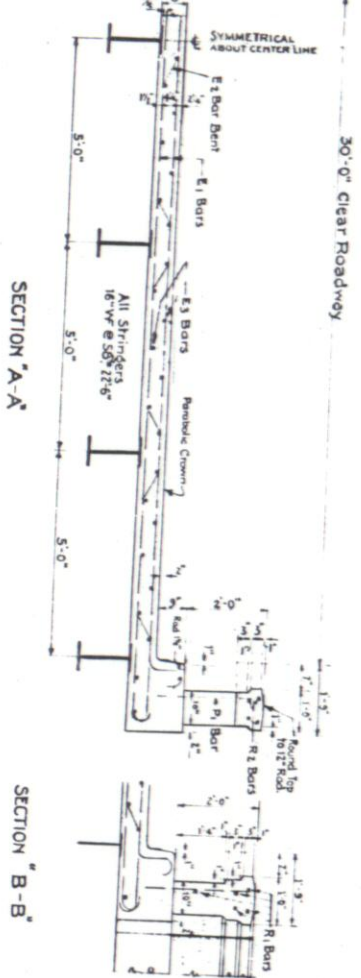
T-103A

STRUCTURE NO. 103A

T-103A

|      |      |
|------|------|
| DATE | 1931 |
| BY   | 103A |
| CHKD | 103A |
| APPD | 103A |

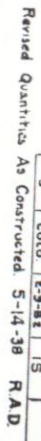


SECTION ALONG & ROADWAY

GENERAL NOTES

[illegible]

SECTION "C-C"  
Typical for East & West Abutments



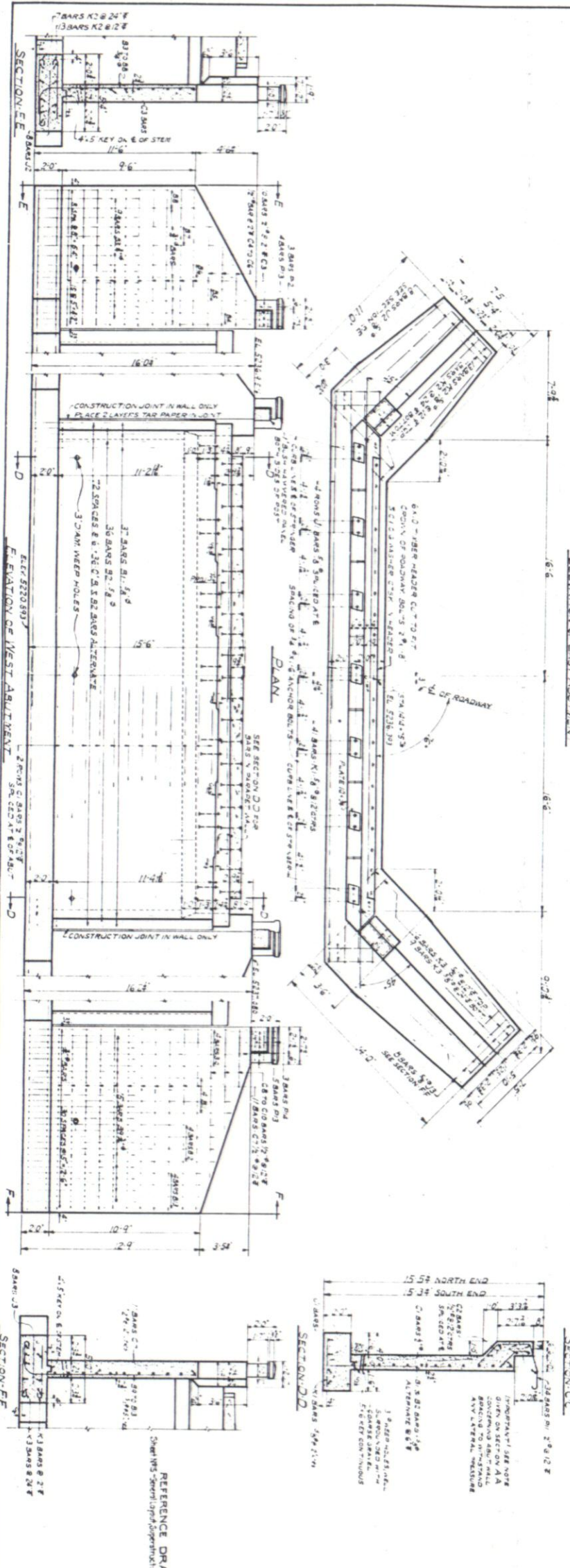
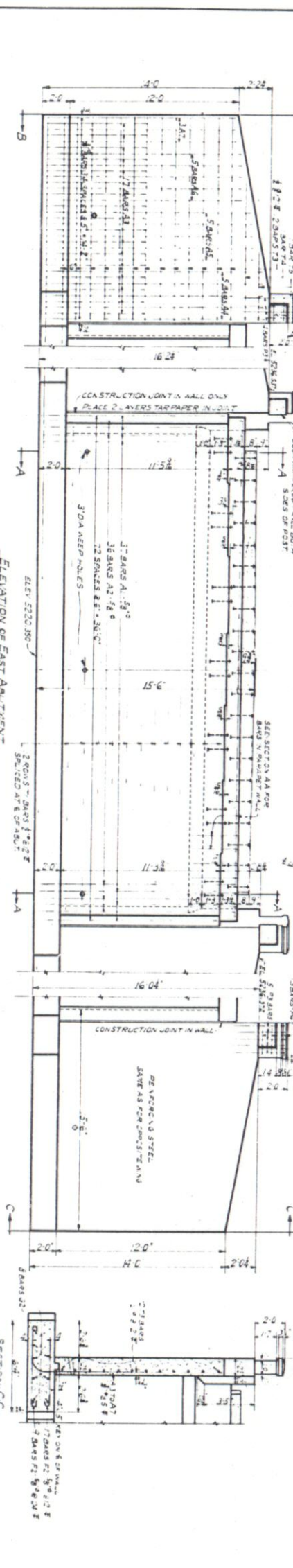
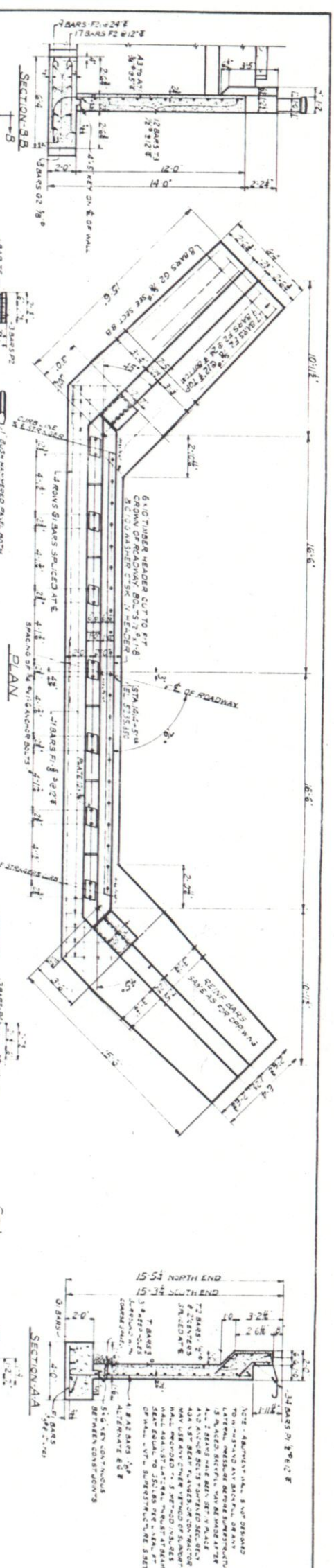
| FED ROAD DIST NO | STATE    | FED AID PROJ NO | SHEET NO | TOTAL SHEETS |
|------------------|----------|-----------------|----------|--------------|
| 3                | COLORADO | E-9-82          | 15       |              |

# COLORADO

STATE HIGHWAY DEPARTMENT  
GENERAL LAYOUT AND DETAILS OF  
SUPERSTRUCTURE FOR 22 FT. SPAN  
CONCRETE T-BEAM BRIDGE

|                          |                                 |
|--------------------------|---------------------------------|
| Across HOME SUPPLY DITCH |                                 |
| Sta. 144+51 to 144+75.78 |                                 |
| Near Loveland            | Sec. 11, T. 5N, R. 70W.         |
| Designed by ALC          | Approved by <i>Paul Stanley</i> |
| Made by SJD              | Bridge Engineer                 |
| Checked by wmn           | Date: March 27th, 1988          |





| BAR LIST FOR EAST ABUTMENT |      |        |   |   |   |   |   |   |       |
|----------------------------|------|--------|---|---|---|---|---|---|-------|
| BAR NO.                    | SIZE | LENGTH | 2 | 3 | 4 | 5 | 6 | 7 | TOTAL |
| 1                          | 1/2" | 18'-0" |   |   |   |   |   |   |       |
| 2                          | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 3                          | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 4                          | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 5                          | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 6                          | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 7                          | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 8                          | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 9                          | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 10                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 11                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 12                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 13                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 14                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 15                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 16                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 17                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 18                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 19                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 20                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 21                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 22                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 23                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 24                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 25                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 26                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 27                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 28                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 29                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 30                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 31                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 32                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 33                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 34                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 35                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 36                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 37                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 38                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 39                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 40                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 41                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 42                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 43                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 44                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 45                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 46                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 47                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 48                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 49                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 50                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 51                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 52                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 53                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 54                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 55                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 56                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 57                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 58                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 59                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 60                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 61                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 62                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 63                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 64                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 65                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 66                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 67                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 68                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 69                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 70                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 71                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 72                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 73                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 74                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 75                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 76                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 77                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 78                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 79                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 80                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 81                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 82                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 83                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 84                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 85                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 86                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 87                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 88                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 89                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 90                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 91                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 92                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 93                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 94                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 95                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 96                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 97                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 98                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 99                         | 1/2" | 17'-9" |   |   |   |   |   |   |       |
| 100                        | 1/2" | 17'-9" |   |   |   |   |   |   |       |

**LOADING DATA**

STATE HIGHWAY DEPARTMENT

EAST & WEST ABUTMENTS FOR

ONE SPAN AT 22 FT. ABUTMENT

CONCRETE & STEEL I-BEAM BRIDGE

ACROSS HOME SUPPLY DITCH

Site 144+51.00 to 144+75.00

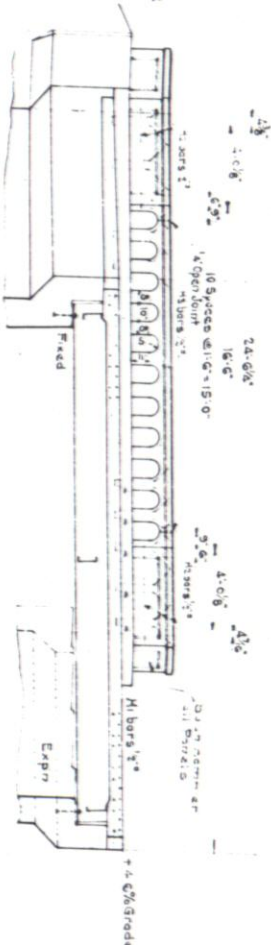
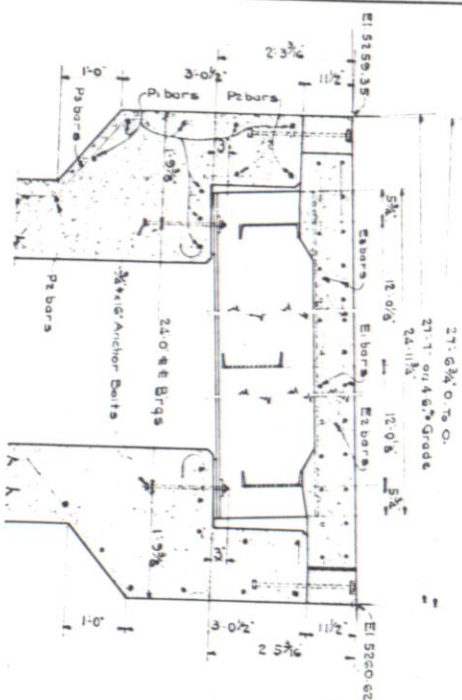
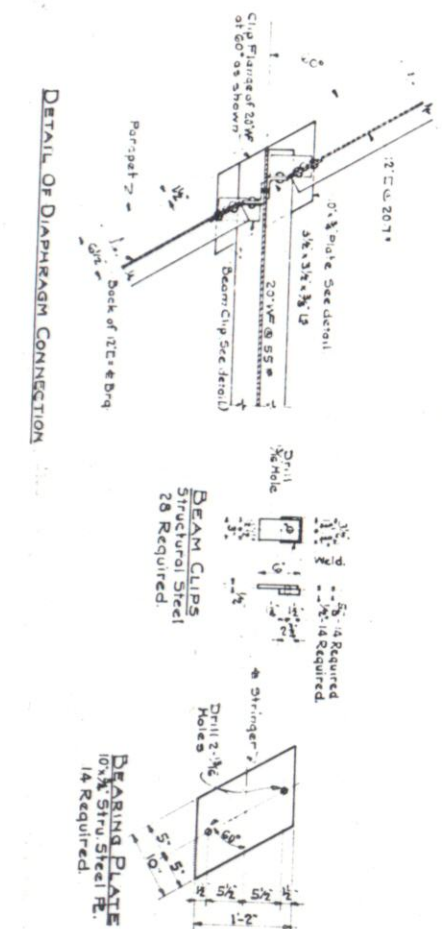
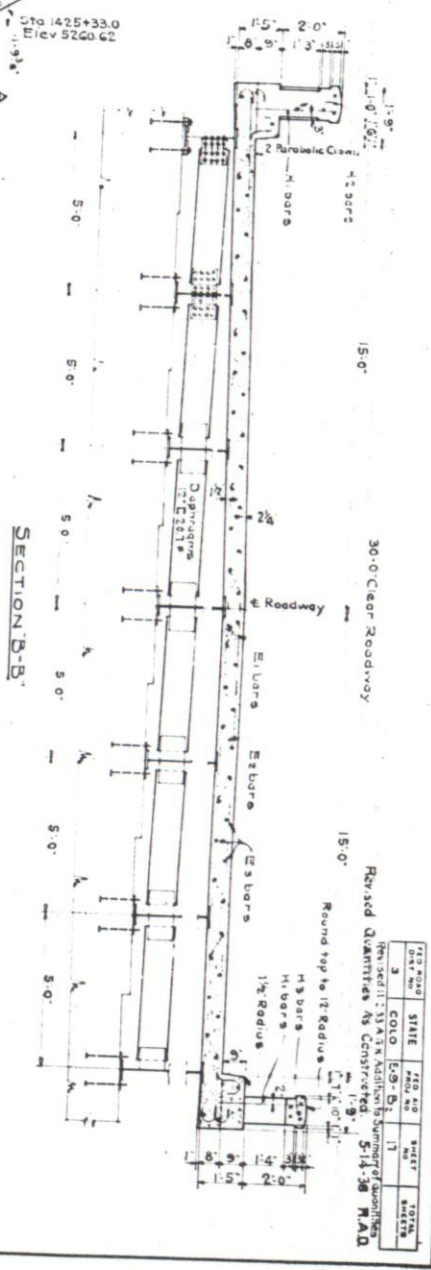
NEAR LOWLAND Sec. 11 T. 5N R. 10W

Designed by B.L.C. Approved by G.D. Adams

Made by B.L.C. Bridge Engineer

Checked by W.M.M. Date: March 1933





| SUMMARY OF QUANTITIES FOR ENTIRE STRUCTURE |                                            |       |              |          |          |        |
|--------------------------------------------|--------------------------------------------|-------|--------------|----------|----------|--------|
| ITEM                                       | DESCRIPTION                                | UNIT  | SUBSTRUCTURE | ERECT    | WEST     | TOTALS |
|                                            |                                            |       | STRUCTURE    | ABUTMENT | ABUTMENT |        |
| 113                                        | DY-RACK                                    | CUBES |              |          |          |        |
| 110                                        | Dry Common                                 |       |              | 561      | 110.4    | 1665   |
| 114                                        | Wet Rock                                   |       |              | 309      |          | 1309   |
| 114                                        | Wet Common                                 |       |              | 195      | 1351     | 1809   |
| 420                                        | Unseated Bridge Timber                     | Sq ft |              | 0.215    |          | 1746   |
| 453                                        | Class A Concrete                           | CUBES |              | 27.5     | 0.53     |        |
| 47                                         | Reinforcing Steel (1/2" Square Inset)      | Lbs   |              | 4630     | 80.6     | 180.5  |
| 48                                         | Structural Steel (1/2" x 1/2")             | Lbs   |              | 5110     | 80.6     | 180.5  |
| 49                                         | Expansion Joint Material (1/2" x 1/2")     | Lbs   |              | 12875    | 35       | 14935  |
| 114                                        | ADDITIONAL QUANTITIES: WORK ORDER NO. 3103 |       |              |          |          | 12945  |
| 114                                        | Wet Common Structural Excavation           | CUBES |              |          |          | 35     |
| 113                                        | CLASS A CONCRETE                           | CUBES |              |          |          |        |
| 114                                        | Wet Common                                 |       |              |          | 14.8     | 14.8   |

| BAR LIST FOR SUPERSTRUCTURE |         |        |
|-----------------------------|---------|--------|
| NO.                         | SIZE    | LENGTH |
| 1                           | 2" x 4" | 26'-0" |
| 2                           | 2" x 4" | 26'-0" |
| 3                           | 2" x 4" | 26'-0" |
| 4                           | 2" x 4" | 26'-0" |
| 5                           | 2" x 4" | 26'-0" |
| 6                           | 2" x 4" | 26'-0" |
| 7                           | 2" x 4" | 26'-0" |
| 8                           | 2" x 4" | 26'-0" |
| 9                           | 2" x 4" | 26'-0" |
| 10                          | 2" x 4" | 26'-0" |
| 11                          | 2" x 4" | 26'-0" |
| 12                          | 2" x 4" | 26'-0" |
| 13                          | 2" x 4" | 26'-0" |
| 14                          | 2" x 4" | 26'-0" |
| 15                          | 2" x 4" | 26'-0" |
| 16                          | 2" x 4" | 26'-0" |
| 17                          | 2" x 4" | 26'-0" |
| 18                          | 2" x 4" | 26'-0" |
| 19                          | 2" x 4" | 26'-0" |
| 20                          | 2" x 4" | 26'-0" |
| 21                          | 2" x 4" | 26'-0" |
| 22                          | 2" x 4" | 26'-0" |
| 23                          | 2" x 4" | 26'-0" |
| 24                          | 2" x 4" | 26'-0" |
| 25                          | 2" x 4" | 26'-0" |
| 26                          | 2" x 4" | 26'-0" |
| 27                          | 2" x 4" | 26'-0" |
| 28                          | 2" x 4" | 26'-0" |
| 29                          | 2" x 4" | 26'-0" |
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| 32                          | 2" x 4" | 26'-0" |
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| 34                          | 2" x 4" | 26'-0" |
| 35                          | 2" x 4" | 26'-0" |
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| 37                          | 2" x 4" | 26'-0" |
| 38                          | 2" x 4" | 26'-0" |
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| 68                          | 2" x 4" | 26'-0" |
| 69                          | 2" x 4" | 26'-0" |
| 70                          | 2" x 4" | 26'-0" |
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| 97                          | 2" x 4" | 26'-0" |
| 98                          | 2" x 4" | 26'-0" |
| 99                          | 2" x 4" | 26'-0" |
| 100                         | 2" x 4" | 26'-0" |

## GENERAL NOTES

[illegible]

## REFERENCE DRAWINGS

Sheet No. 6 Substructure Details for 24' span Conc. Beam Bridge.

COLORADO

STATE HIGHWAY DEPARTMENT  
GENERAL LAYOUT & DETAILS OF  
SUPERSTRUCTURE FOR 24' SPAN  
CONCRETE T-BEAM BRIDGE  
ACROSS HONDY CREEK  
Sta. 145+05.44 To 142+53.46  
Near Loveland, Sec. 11, T. 54 N., R. 70 W.

Designed by ERM  
Made by ERM/MWD  
Checked by MWD  
Approved by *CPA* *Blawie*  
Bridge Engineer  
Date: *March 17, 1973*



LIVE LOAD : A B H O AND PER CODE  
WIND SPEED : 90 M.P.H.  
KILLER WIND EXPOSURE : 100' X 70' CONCRETE DESIGNING  
EARTH PRESSURE :  
SECTIONS :

COLORADO

STATE HIGHWAY DEPARTMENT

SUBSTRUCTURE DETAILS

FOR 24 SPAN

CONCRETE I BEAM BRIDGE

ACROSS HONDY DITCH

Sta. 1425 + 06.44 TO 1425 + 93.0

Near Loveland

Sec. 11 T. 5 N. R. 70 W.

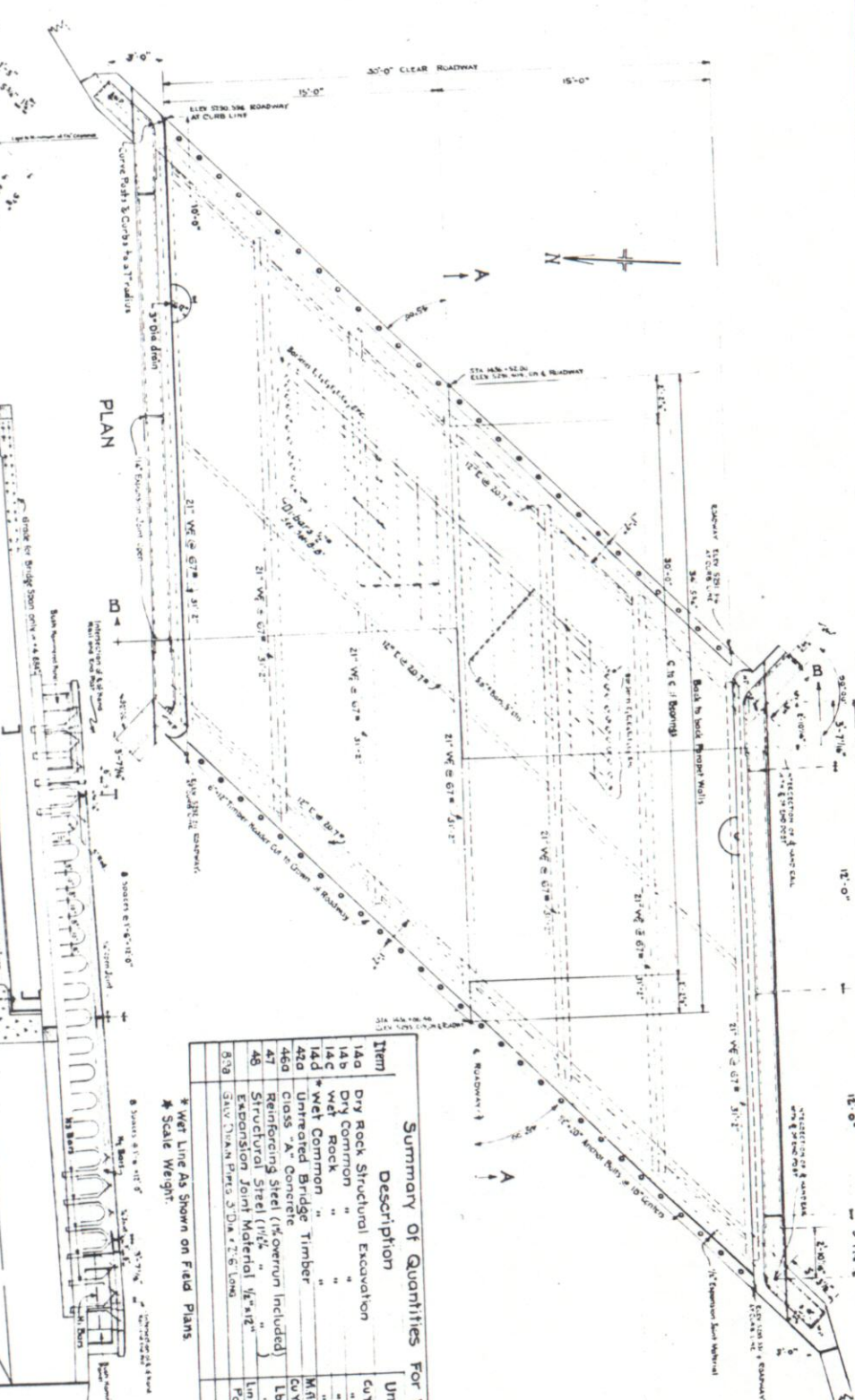
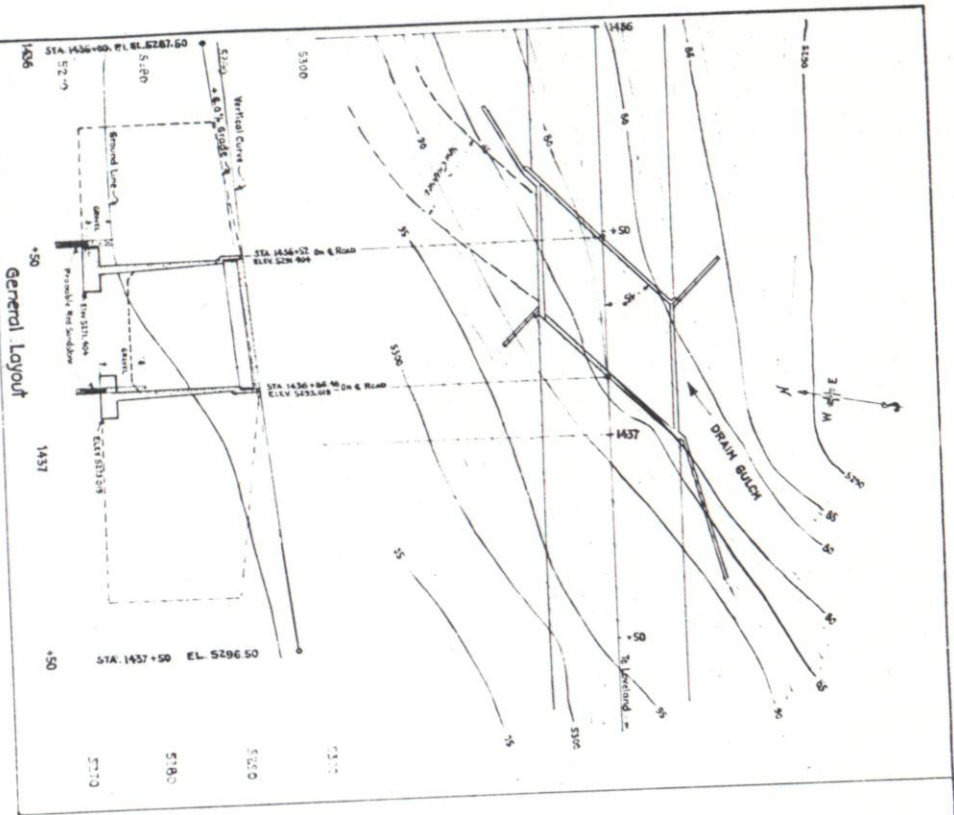
Designed by EFM Approved by J.D. Bishop

Made by J.E. Smith Bridge Engineer

Checked by RWD Date: March 1935

STRUCTURE NO. C-16-AH





REV QUANTITIES AS CONSTRUCTED 5-14-38 R.A.D.

| Pier Structure  |               |               |        |  |  |  |
|-----------------|---------------|---------------|--------|--|--|--|
| Super Structure | East Abutment | West Abutment | Totals |  |  |  |
|                 | 125.9         | 218.0         | 443.9  |  |  |  |
|                 | 71.5          | 118.5         | 190.0  |  |  |  |
|                 | 227.4         | 126.8         | 354.2  |  |  |  |
|                 | 232           | 232           | 464    |  |  |  |
| 55.             | 136.          | 161.          | 297    |  |  |  |
| 6,600           | 1,510         | 1,610         | 8,210  |  |  |  |
| 13,840          | 40            | 40            | 13,880 |  |  |  |
| 43              |               |               | 43     |  |  |  |
| 2               |               |               | 2      |  |  |  |

# Summary of Quantities For

## Description

| Item | Description                               | Unit   |
|------|-------------------------------------------|--------|
| 14a  | Dry Rock Structural Excavation            | Cu Yds |
| 14b  | Dry Common "                              | "      |
| 14c  | Wet Rock "                                | "      |
| 14d  | Wet Common "                              | "      |
| 42a  | Untreated Bridge Timber                   | M.B.M. |
| 46a  | Class "A" Concrete                        | Cu Yds |
| 47   | Reinforcing Steel (1/2" overrun included) | Lbs    |
| 48   | Structural Steel (1/2" overrun included)  | Lbs    |
| 49   | Expansion Joint Material 1/2" x 1/2"      | Lm Ft  |
| 50a  | SAW PLATE PILES 3" DIA x 26' LONG         | Pcs    |

\* Wet Line As Shown on Field Plans

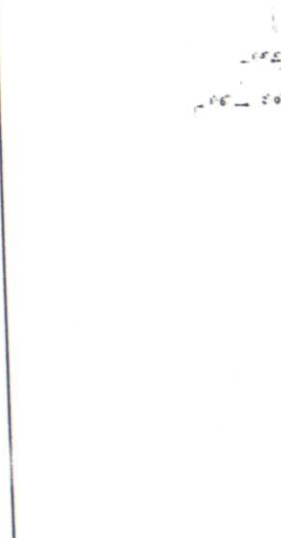
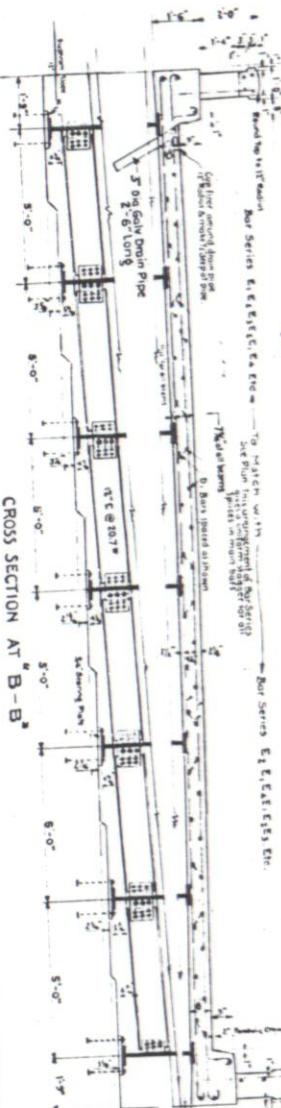
\* Scale Weight.

|    |                                                      |          |
|----|------------------------------------------------------|----------|
| 8  | Sum of 14a, 14b, 14c, 14d                            | 443.9    |
| 9  | Sum of 42a, 46a, 47, 48, 49, 50a                     | 15,450   |
| 10 | Sum of 14a, 14b, 14c, 14d, 42a, 46a, 47, 48, 49, 50a | 15,893.9 |

Bar List for Superstructure

| Mark | Size | Reqd. | Length | Bending Diagram |
|------|------|-------|--------|-----------------|
| H1   | 1/2" | 16    | 11'-6" |                 |
| D1   | 1/2" | 46    | 31'-7" |                 |
| E1   | 5/8" | 76    | 31'-5" |                 |
| E2   | 5/8" | 76    | 18'-4" |                 |
| E3   | 5/8" | 18    | 31'-9" |                 |
| E4   | 5/8" | 18    | 18'-2" |                 |
| H3   | 1/2" | 44    | 6'-6"  |                 |

2033 Lbs of 1/2" bar @ 0.850 lbs per lin ft  
4774 do 5/8" do 1.043 do  
1779 Lbs  
4913 Lbs  
6692 Lbs



GENERAL NOTES

ALL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE COLORADO DEPARTMENT OF TRANSPORTATION, 1933 EDITION, AND THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 1933 EDITION, AS AMENDED.

CONCRETE SHALL BE CLASS "A" CONCRETE, AS SPECIFIED IN THE SPECIFICATIONS. ALL CONCRETE SHALL BE PLACED IN A SINGLE LAYER OF 12" MAXIMUM THICKNESS. ALL CONCRETE SHALL BE PLACED IN A SINGLE LAYER OF 12" MAXIMUM THICKNESS. ALL CONCRETE SHALL BE PLACED IN A SINGLE LAYER OF 12" MAXIMUM THICKNESS.

STEEL SHALL BE STRUCTURAL STEEL, AS SPECIFIED IN THE SPECIFICATIONS. ALL STEEL SHALL BE PLACED IN A SINGLE LAYER OF 12" MAXIMUM THICKNESS. ALL STEEL SHALL BE PLACED IN A SINGLE LAYER OF 12" MAXIMUM THICKNESS. ALL STEEL SHALL BE PLACED IN A SINGLE LAYER OF 12" MAXIMUM THICKNESS.

EXPANSION JOINTS SHALL BE PLACED IN THE CENTER OF THE BRIDGE DECK AND AT THE ENDS OF THE BRIDGE DECK. ALL EXPANSION JOINTS SHALL BE PLACED IN THE CENTER OF THE BRIDGE DECK AND AT THE ENDS OF THE BRIDGE DECK. ALL EXPANSION JOINTS SHALL BE PLACED IN THE CENTER OF THE BRIDGE DECK AND AT THE ENDS OF THE BRIDGE DECK.

REFERENCE DRAWINGS

Drawings to East & West Abutments.

LOADING DATA

LIVE LOAD: A & M, 10,000 LBS. PER SQ. YD. OF AREA.

WIND LOAD: 10,000 LBS. PER SQ. YD. OF AREA.

SEISMIC LOAD: 10,000 LBS. PER SQ. YD. OF AREA.

STATE HIGHWAY DEPARTMENT

GENERAL LAYOUT

SUMMARY OF QUANTITIES

APPROXIMATE QUANTITIES

518 LBS. SEC. 11.5N. R. 70W.

NEAR LOWLAND

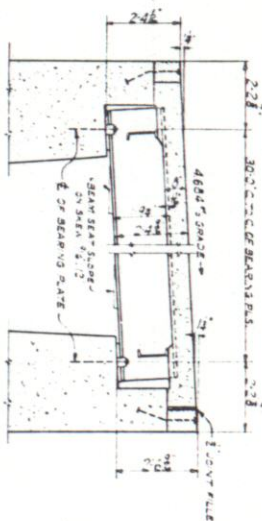
DESIGNED BY A.L.C. APPROVED BY O.D.B.

MADE BY G.D.P. BRIDGE ENGINEER

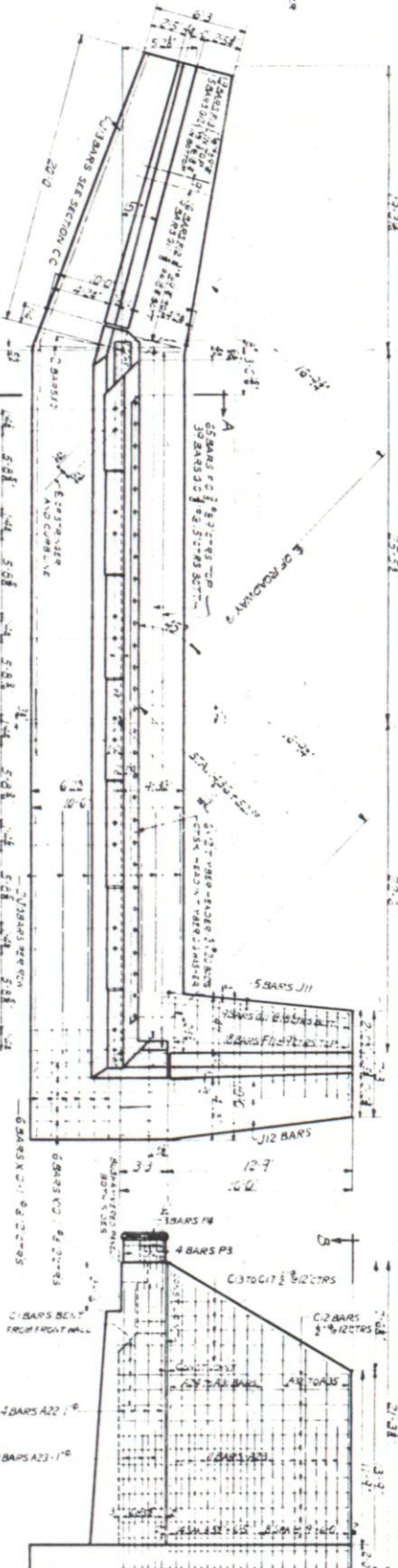
CHECKED BY K.D. DATE: March 5/1933

STRUCTURE NO. C-15-AI

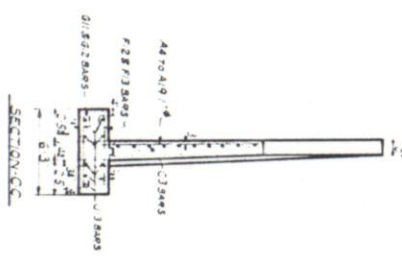




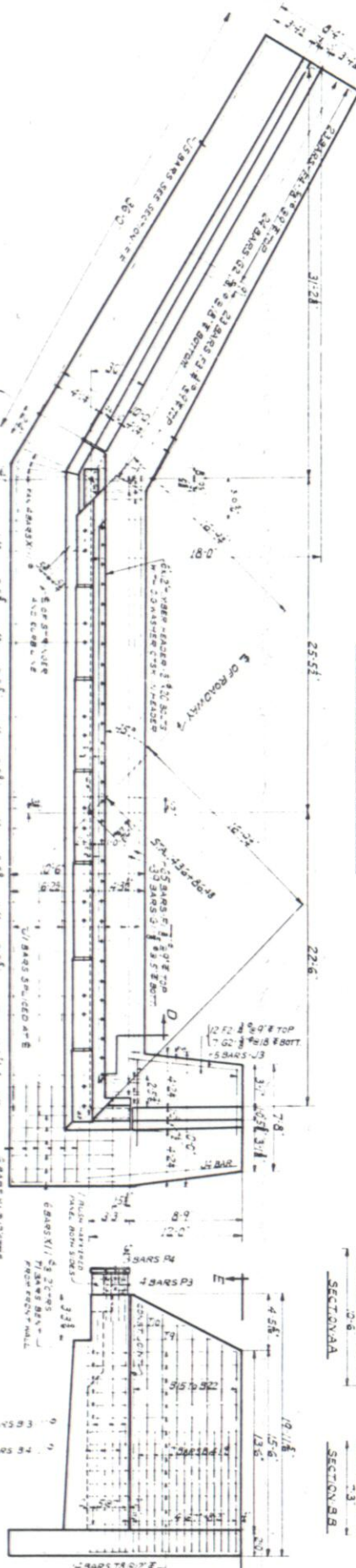
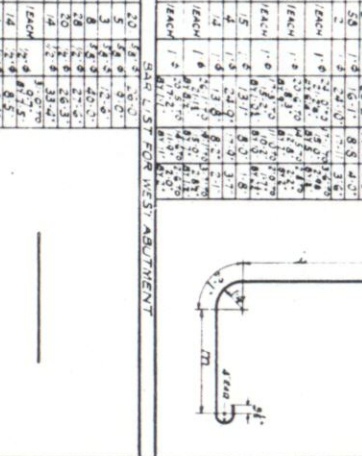
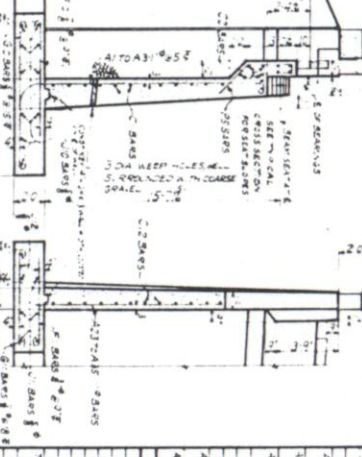
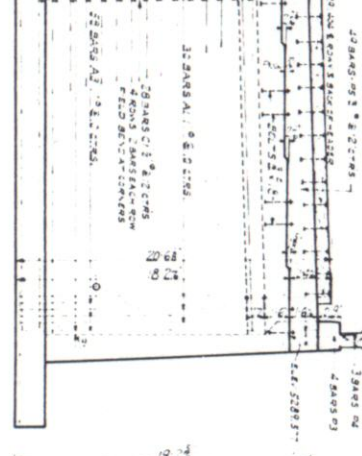
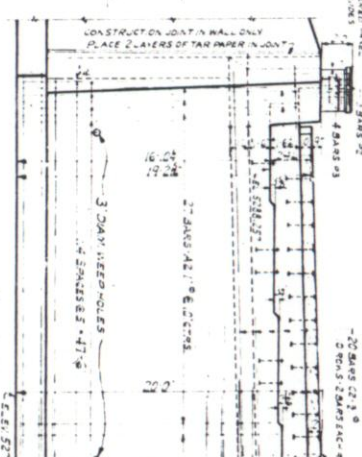
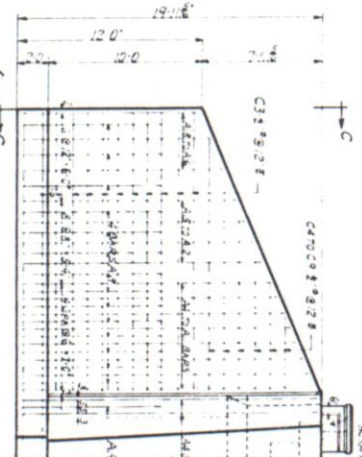
EAST ABUTMENT  
TYPICAL CROSS SECTION DATA, ELEVATION, BOTTOM VIEW  
DIVISION OF ST. & CO. INC. ENGINEERS



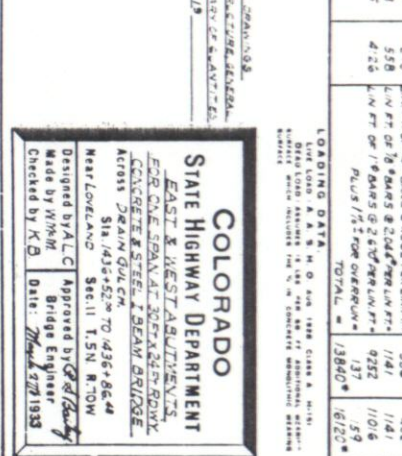
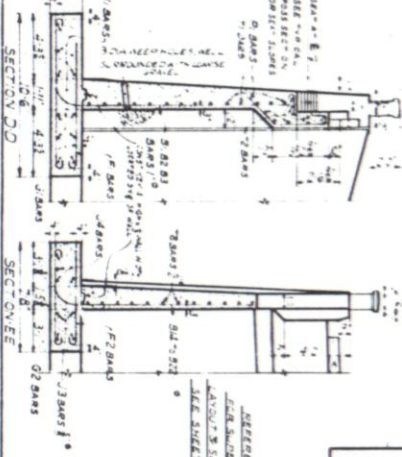
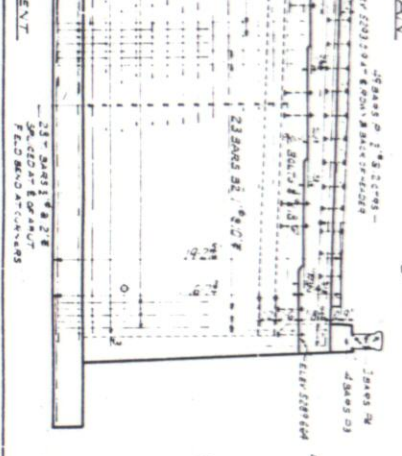
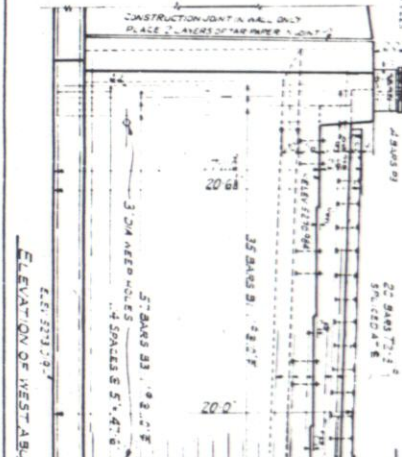
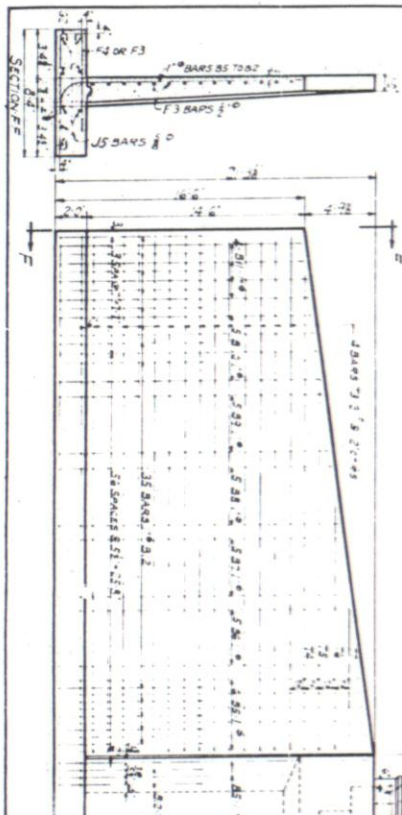
PLAN



SECTION CC



PLAN

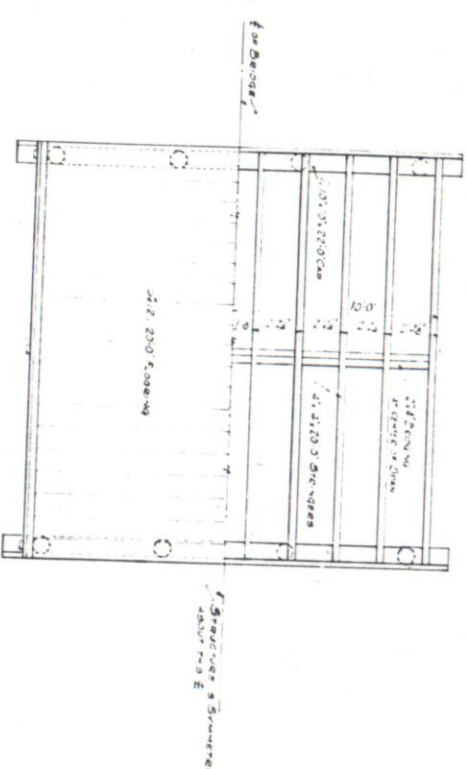


| BAR LIST FOR EAST ABUTMENT |      |        |        |     |      |        |        |     |      |
|----------------------------|------|--------|--------|-----|------|--------|--------|-----|------|
| NO.                        | SIZE | LENGTH | WEIGHT | NO. | SIZE | LENGTH | WEIGHT | NO. | SIZE |
| 1                          | 1/2" | 10.0   | 1.1    | 11  | 1/2" | 10.0   | 1.1    | 21  | 1/2" |
| 2                          | 1/2" | 10.0   | 1.1    | 12  | 1/2" | 10.0   | 1.1    | 22  | 1/2" |
| 3                          | 1/2" | 10.0   | 1.1    | 13  | 1/2" | 10.0   | 1.1    | 23  | 1/2" |
| 4                          | 1/2" | 10.0   | 1.1    | 14  | 1/2" | 10.0   | 1.1    | 24  | 1/2" |
| 5                          | 1/2" | 10.0   | 1.1    | 15  | 1/2" | 10.0   | 1.1    | 25  | 1/2" |
| 6                          | 1/2" | 10.0   | 1.1    | 16  | 1/2" | 10.0   | 1.1    | 26  | 1/2" |
| 7                          | 1/2" | 10.0   | 1.1    | 17  | 1/2" | 10.0   | 1.1    | 27  | 1/2" |
| 8                          | 1/2" | 10.0   | 1.1    | 18  | 1/2" | 10.0   | 1.1    | 28  | 1/2" |
| 9                          | 1/2" | 10.0   | 1.1    | 19  | 1/2" | 10.0   | 1.1    | 29  | 1/2" |
| 10                         | 1/2" | 10.0   | 1.1    | 20  | 1/2" | 10.0   | 1.1    | 30  | 1/2" |
| BAR LIST FOR WEST ABUTMENT |      |        |        |     |      |        |        |     |      |
| 31                         | 1/2" | 10.0   | 1.1    | 41  | 1/2" | 10.0   | 1.1    | 51  | 1/2" |
| 32                         | 1/2" | 10.0   | 1.1    | 42  | 1/2" | 10.0   | 1.1    | 52  | 1/2" |
| 33                         | 1/2" | 10.0   | 1.1    | 43  | 1/2" | 10.0   | 1.1    | 53  | 1/2" |
| 34                         | 1/2" | 10.0   | 1.1    | 44  | 1/2" | 10.0   | 1.1    | 54  | 1/2" |
| 35                         | 1/2" | 10.0   | 1.1    | 45  | 1/2" | 10.0   | 1.1    | 55  | 1/2" |
| 36                         | 1/2" | 10.0   | 1.1    | 46  | 1/2" | 10.0   | 1.1    | 56  | 1/2" |
| 37                         | 1/2" | 10.0   | 1.1    | 47  | 1/2" | 10.0   | 1.1    | 57  | 1/2" |
| 38                         | 1/2" | 10.0   | 1.1    | 48  | 1/2" | 10.0   | 1.1    | 58  | 1/2" |
| 39                         | 1/2" | 10.0   | 1.1    | 49  | 1/2" | 10.0   | 1.1    | 59  | 1/2" |
| 40                         | 1/2" | 10.0   | 1.1    | 50  | 1/2" | 10.0   | 1.1    | 60  | 1/2" |

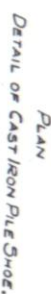
**COLORADO**  
**STATE HIGHWAY DEPARTMENT**  
 EAST & WEST ABUTMENTS  
 FOR ONE SPAN AT JOYCE BRIDGE  
 CONCRETE STEEL BEAM BRIDGE  
 ACROSS DRAIN CULVERT  
 STA. 145+52.2 TO 145+86.4  
 NEAR LOVELAND, SECTION 11, T. 15N. R. 10W.  
 Approved by A.L.C. Approved by G.D. B. B. B.  
 Made by W.H.M. Bridge Engineer  
 Checked by K.B. Date: 7/11/53

STRUCTURE NO. C-16-AI

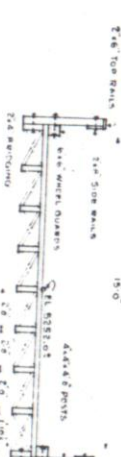
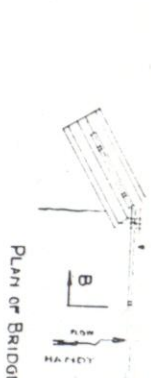




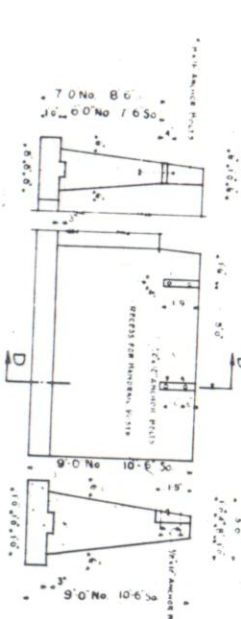
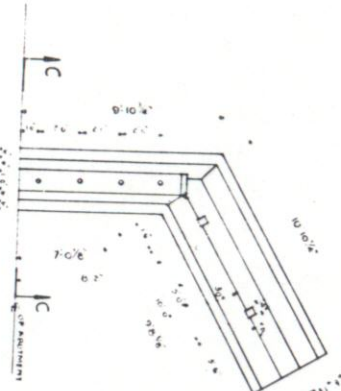
| SUMMARY OF QUANTITIES FOR NINE DEGREE |                               |       |       |
|---------------------------------------|-------------------------------|-------|-------|
| ITEM                                  | DESCRIPTION                   | UNITS | TOTAL |
| 10                                    | 20' CONCRETE STREET LIGHT     | 3     | 39    |
| 11                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 12                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 13                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 14                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 15                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 16                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 17                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 18                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 19                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 20                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 21                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 22                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 23                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 24                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 25                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 26                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 27                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 28                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 29                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 30                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 31                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 32                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 33                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 34                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 35                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 36                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 37                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 38                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 39                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 40                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 41                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 42                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 43                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 44                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 45                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 46                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 47                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 48                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 49                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 50                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 51                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 52                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 53                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 54                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 55                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 56                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 57                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 58                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 59                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 60                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 61                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 62                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 63                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 64                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 65                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 66                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 67                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 68                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 69                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 70                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 71                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 72                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 73                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 74                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 75                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 76                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 77                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 78                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 79                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 80                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 81                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 82                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 83                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 84                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 85                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 86                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 87                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 88                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 89                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 90                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 91                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 92                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 93                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 94                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 95                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 96                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 97                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 98                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 99                                    | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |
| 100                                   | 4" DIA. STEEL TUBES, 12' LONG | 100   | 100   |

[illegible]

FARM BRIDGE o/ee HOME SUPPLY DITCH,  
Opposite STA. 1415+00+



| • BOLTS AND WASHERS FOR ENTIRE BRIDGE.    |          |              |      |     |        |        | 6-27         |
|-------------------------------------------|----------|--------------|------|-----|--------|--------|--------------|
| BRIDGE SEAT LANCHES                       | LOCATION | ITEM         | SIZE | QTY | LENGTH | WT. PA | TOTAL WT. PA |
|                                           |          |              |      |     |        |        |              |
| HIGHBALL PISTONS TO WINDS                 |          | BOLTS        | 1/2" | 16  | 12"    | 1.65   | 26.4         |
| "                                         | "        | "            | 3/8" | 16  | 16"    | .82    | 13.1         |
| "                                         | "        | STRINGERS    | 1/2" | 6   | 9"     | .65    | 3.9          |
| "                                         | "        | "            | 3/8" | 6   | 11"    | .77    | 4.6          |
| "                                         | "        | WHEEL GUARDS | 1/2" | 14  | 9"     | .25    | 3.5          |
| "                                         | "        | "            | 3/8" | 10  | 24"    | .65    | 6.5          |
| WHEEL GUARDS TO STRINGERS                 |          | WASHERS      | 1/2" | 36  |        | .50    | 18.0         |
| "                                         | "        | "            | 3/8" | 60  |        | .340   | 20.4         |
| TOTAL WEIGHT BOLTS AND WASHERS LBS. 142.0 |          |              |      |     |        |        |              |



| SUMMARY OF NEW QUANTITIES. |                                |        | 1940  |
|----------------------------|--------------------------------|--------|-------|
| ITEM NO.                   | DESCRIPTION                    | UNIT   | TOTAL |
| 14A                        | POY RICK STRUCTURAL EXCAVATION | CU YDS | 774   |
| 14B                        | "                              | "      | "     |
| 14C                        | "                              | "      | "     |
| 14D                        | "                              | "      | "     |
| 42A                        | " COMMON                       | "      | 65.4  |
| 42B                        | "                              | "      | "     |
| 42C                        | UNTREATED BRIDGE TIMBER        | MBDM   | 682   |
| 46A                        | CLASS "A" CONCRETE             | CU YDS | 453   |

Revised Quantities and Height Abuts As Constructed. 5-14-38  
RA:0

| FED AID DIST NO | STATE    | FED AID PROJ NO | SHEET NO | TOTAL SHEETS |
|-----------------|----------|-----------------|----------|--------------|
| 3               | COLORADO | E-9B1           | 21       |              |

LOADING DATA FOR HOME SUPPLY DRIVE  
DL TIMES: 51 lbs per Do.Fr.  
L.L. D6: 12000 LBS

0.00 0.40  
TYPICAL TRUCK  
NO IMPACT INCLUDED

COLORADO

THE HIGHWAY DEPARTMENT  
SPAN TIMBER BRIDGES  
9-0" CLEAR ROADWAY

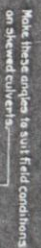
5:00 CLEAR ROADWAY  
IRRIGATION DITCHES  
SITE STA 1415+00: 4 STA. 1421+00  
OVERLAND SEC II T 8 N R 70 W

Approved by *Pd/Baw*  
Bridge Engineer  
Date: *April 1st, 1933*

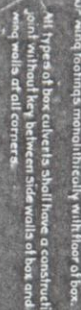
STRUCTURE NO.



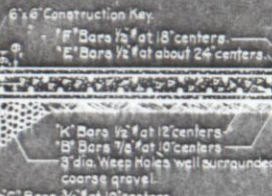
| BENDING DIAGRAM   |  |
|-------------------|--|
| TOTAL             |  |
| LENGTH            |  |
| AT                |  |
| DIMENSIONS ARE IN |  |

INDEX OF DIMENSIONS AND QUANTITIES[illegible]

For Spacing of V Bars see Table of Dimensions and Quantities.



TYPICAL SECTION THRU WINGWALL



**TABLE OF DIMENSIONS AND QUANTITIES**  
STEEL QUANTITIES GIVEN BELOW INCLUDE ALLOWANCE OF 14% FOR

**TABLE OF DIMENSIONS AND QUANTITIES**  
STEEL QUANTITIES GIVEN BELOW INCLUDE ALLOWANCE OF 14% FOR

TOTAL QUANTITIES FOR ONE BOX EQUALS THE QUANTITY FOR TWO HEADWALLS. PLUS(1) = QUANTITY FOR ONE LIFT STATION

[illegible]

LL-AASHO.H-15

# STANDARD CONCRETE FOR ALL VIEWS

Checked by A.L.C. Date 7 - 20, 1932

STRUCTURE NO.





| DATE | STATE   | PERIOD | NUMBER | TOTAL |
|------|---------|--------|--------|-------|
| 1    | ALABAMA | 1-1-50 | 23     |       |

[illegible]BIL- CF MATERIALS

| NO  | ITEM                             | UNIT  | QUANTITY |
|-----|----------------------------------|-------|----------|
| 14A | DRY ROCK EARTH STRUCT            | CU YD | 158      |
| 14B | " ROCK "                         | "     | 39       |
| 14C | 14" ROCK "                       | "     | 0        |
| 14T | " COM "                          | "     | 0        |
| 14B | TREATED BRIDGE TIMBER            | MT/2M | 0.7      |
| 14B | CLASS A CONCRETE                 | CU YD | 4        |
| 15  | REINFORCING WIRE                 | LB    | 422      |
| 15S | 8" DIAMOD SHORT MESH PILE (4000) | LN FT | 340      |

## SUMMARY OF QUANTITIES

## GENERAL NOTES

1. The first of these is the fact that the Government has been unable to secure the necessary funds to carry out its programme. This is due to a number of factors, including the fact that the Government has been unable to secure the necessary funds to carry out its programme. This is due to a number of factors, including the fact that the Government has been unable to secure the necessary funds to carry out its programme.

|                                                       |                                                                                           |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------|
| COLORADO<br>STATE HIGHWAY DEPARTMENT<br>WATER CONDUIT |                                                                                           |
| A 7925<br>Negd<br>No. 1424+<br>Spec. T R              | Designed by<br>Made by<br>Constructed by<br>Approved by<br>Bridge Engineer<br>Date<br>193 |

STRUCTURE NO.





to the super-elevation and widening requirements for the pavement section.

*SUPERELEVATION FACTORS AND OFFSETS FOR WIDENING FOR PAVEMENT SECTION*



### Declining of Transition - B.T.



Results of tests for super-elasticity and wrinkling are shown in the General Plan for Widening and the Graph of Super-elasticity Factors.

*SUPERELEVATION FACTORS AND OFFSETS FOR WIDENING OR SURFACING SECTIONS*

### GRAPH OF SUPERELEVATION TRANSITION FACTOR



The above graph has been prepared from the rates of superinflation against the realizations.



## Item № 72



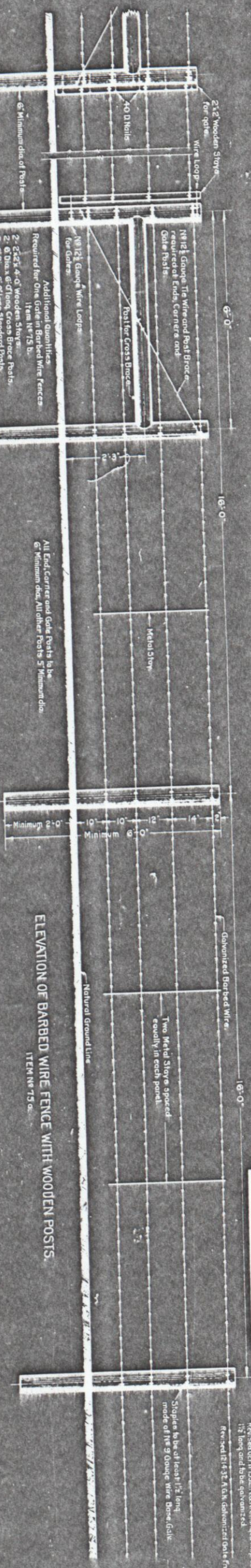
PISTONS SAME AS PER END BRACING EXCEPT AS NOTED

[illegible]

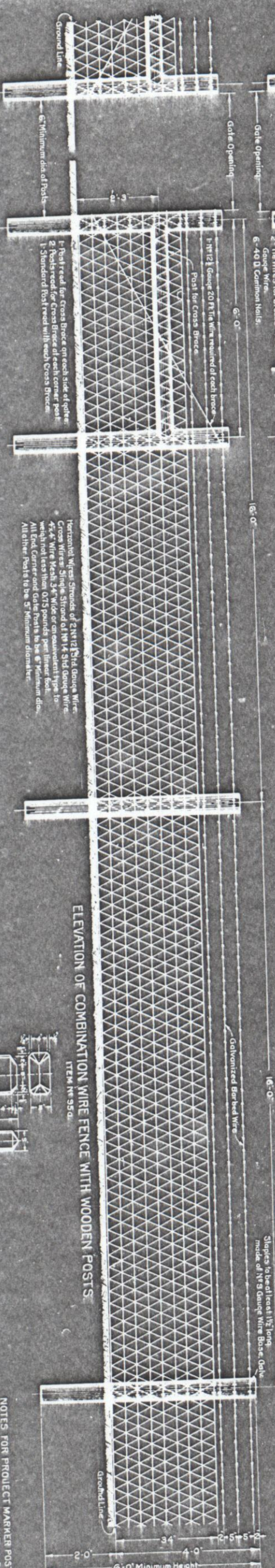
|                 |                                |
|-----------------|--------------------------------|
| Designed by GMD | Approved by <i>G. A. Brady</i> |
| Made by GMD     | Bridge Engineer                |
| Checked by ERM  | Date: <i>Nov. 20/1931.</i>     |



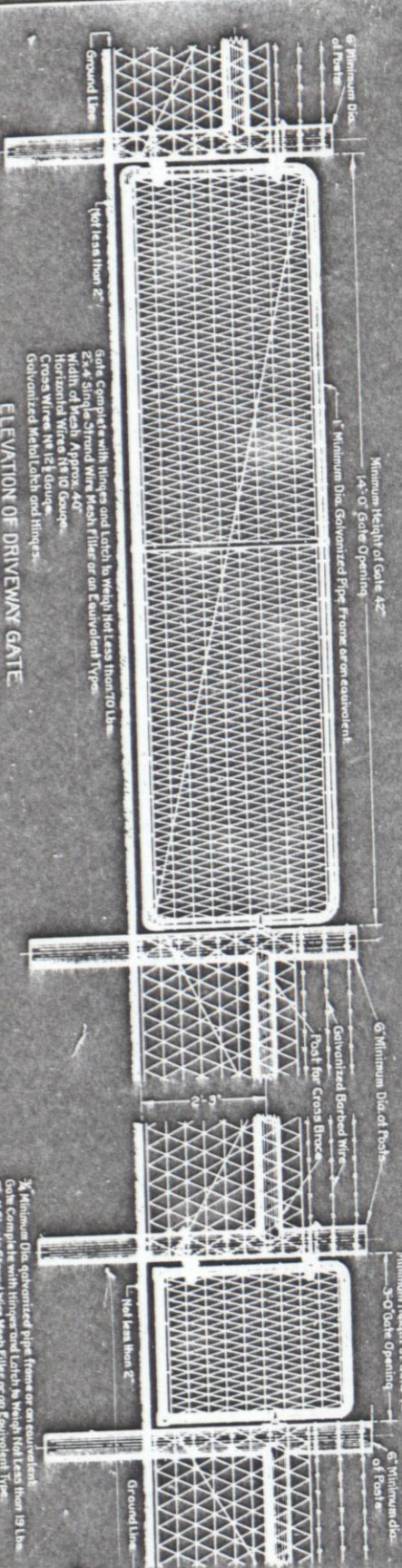
|   |          |           |     |       |
|---|----------|-----------|-----|-------|
| 1 | STATE    | PROG. NO. | NO. | SHEET |
| 2 | COLORADO | E 4 P 1   | 26  |       |



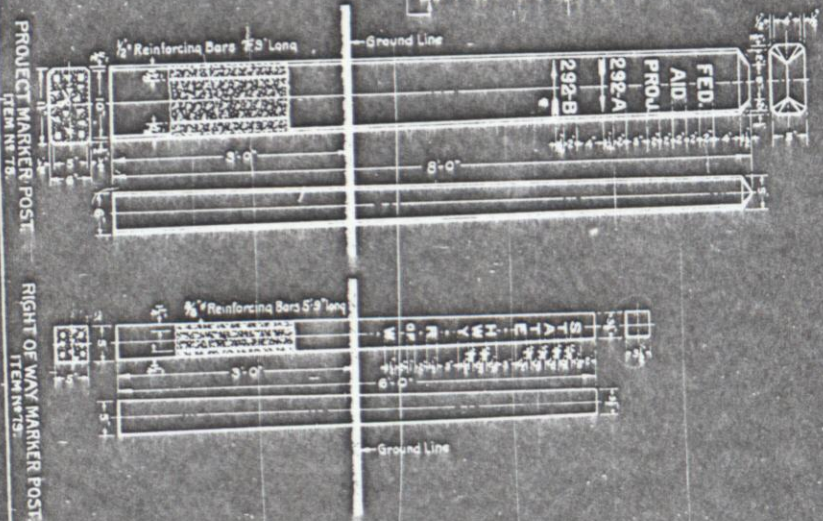
ELEVATION OF BARBED WIRE FENCE WITH WOODEN POSTS



**ELEVATION OF COMBINATION WIRE FENCE WITH WOODEN POSTS**  
ITEM № 95a.



ELEVATION OF DRIVEWAY GATE



|                                   |                                        |
|-----------------------------------|----------------------------------------|
| PROJECT MARKER POST<br>ITEM № 78. | RIGHT OF WAY MARKER POST<br>ITEM № 79. |
|-----------------------------------|----------------------------------------|

[illegible]

**GENERAL NOTES FOR MARKER POSTS**

All work should be done in accordance with the Standard Specifications for the State of California, Division of Highways, Section 117-500. The Colorado State of the Highway Department, Group 3 to 6 (except use of Posts shall include model of Class "V" Concrete, Group 3 to 6) (except use of White Portland Cement).

Interfering signs shall be removed or removed from the site of the work. Interfering signs shall be removed from the site of the work.

[illegible]

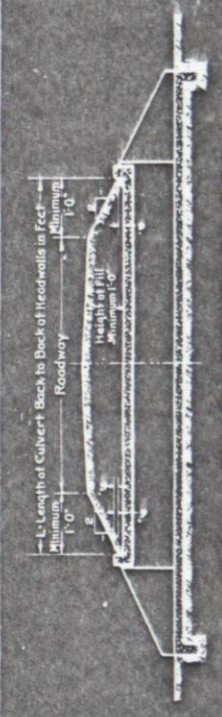
ELEVATION OF WALK GATE  
ITEM No 95c.

**COLORADO**  
**STATE HIGHWAY DEPARTMENT**  
**STANDARD**  
**WIRE FENCES**  
**AND**  
**MARKER POSTS**

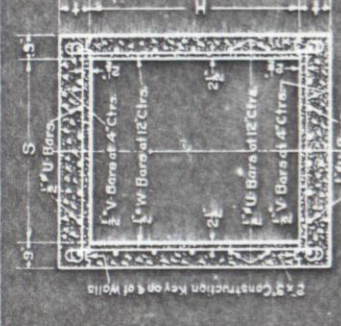
|                    |                           |
|--------------------|---------------------------|
| Designed by A.G.K. | Approved by <i>W.H.B.</i> |
| Made by A.G.K.     | Bridge Engineer           |
| Checked by G.H.D.  | Dated Feb. 1, 1932        |



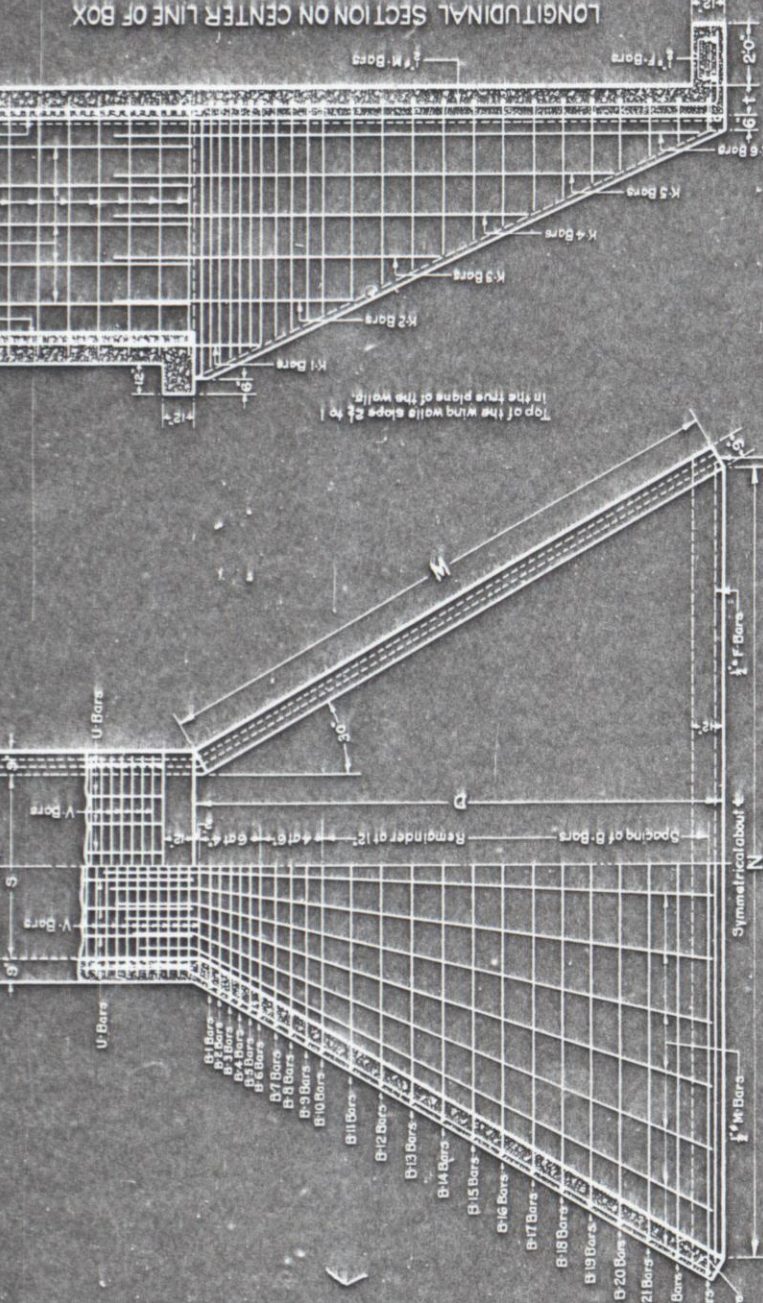
STANDARD M-103-D



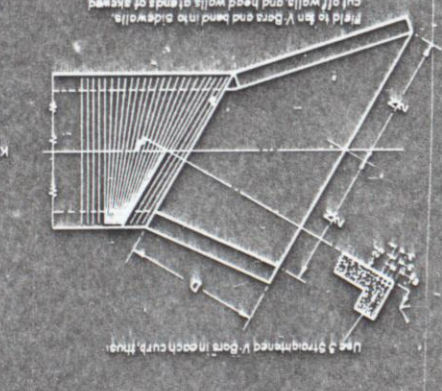
TYPICAL SECTION SHOWING RELATION OF CULVERT TO ROADWAY



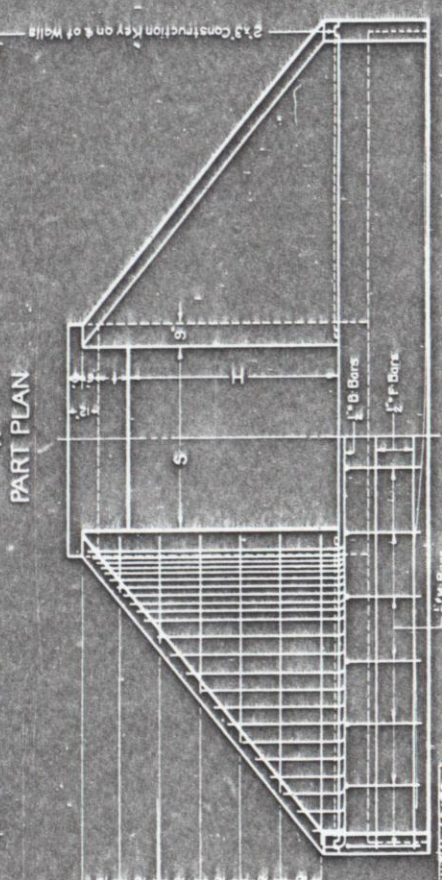
TYPICAL SECTION THRU BOX



LONGITUDINAL SECTION ON CENTER LINE OF BOX



PART PLAN FOR SKEWED HEADWALLS

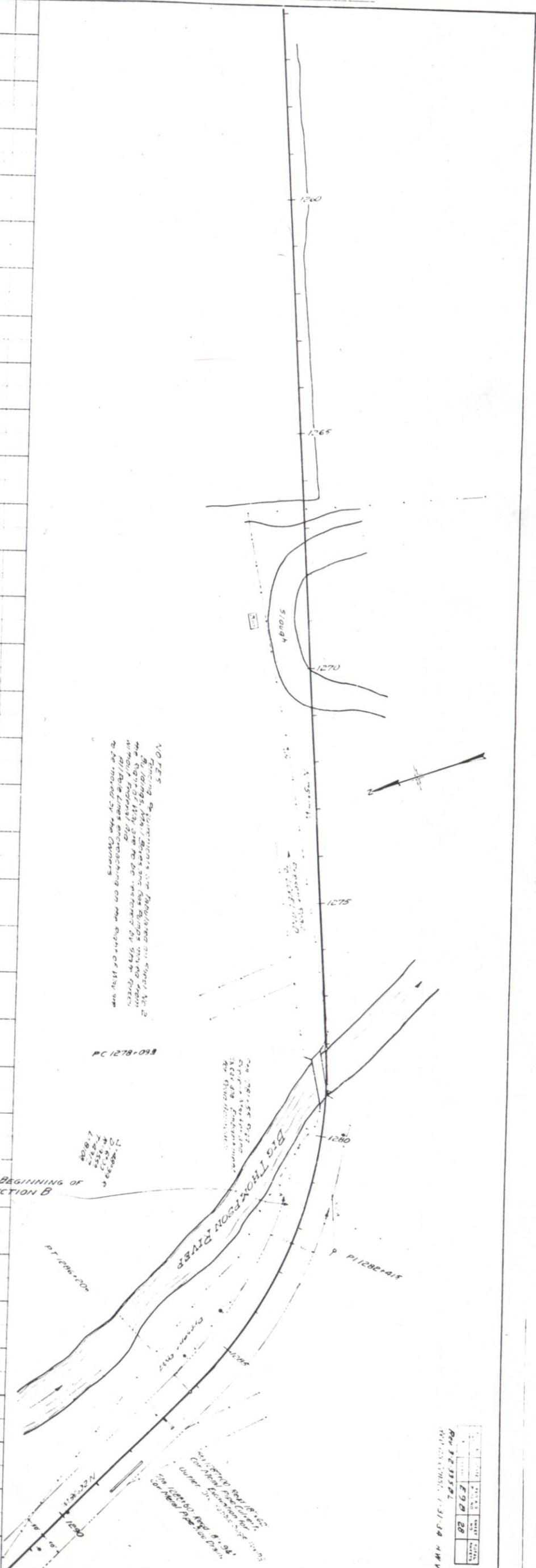
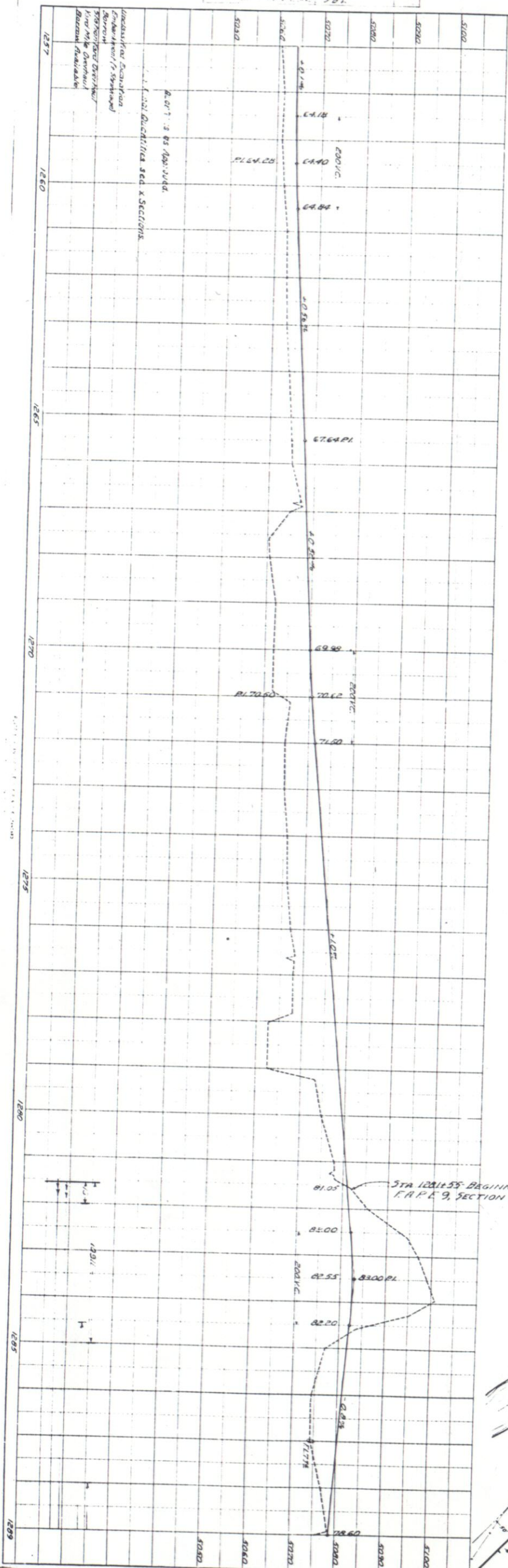


END VIEW

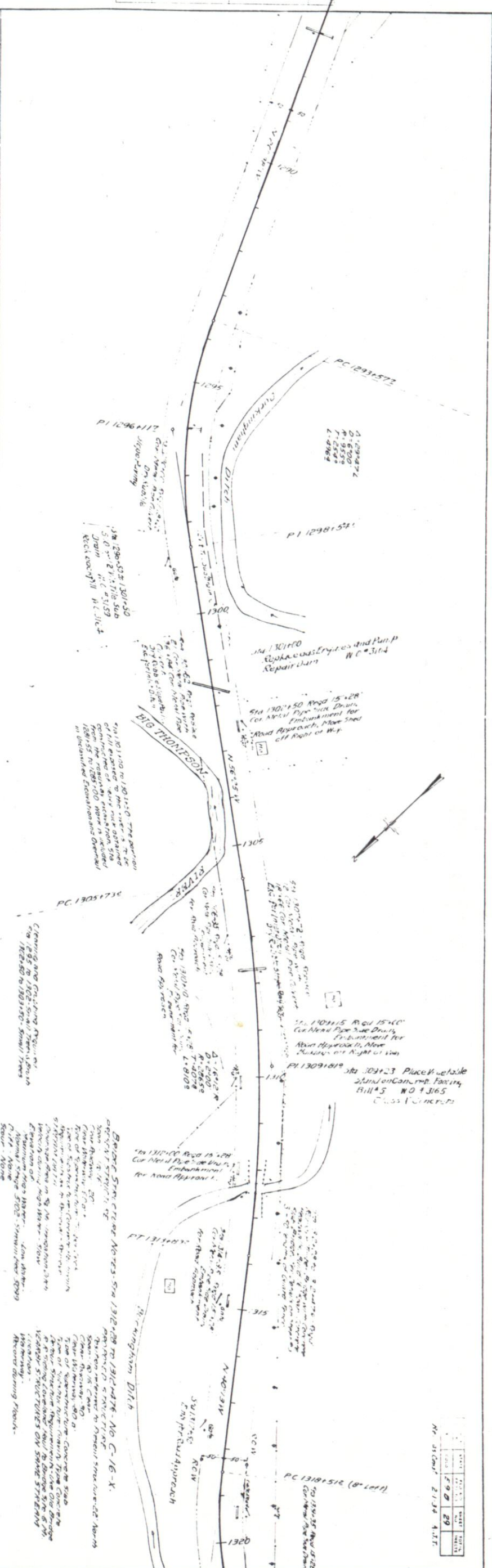
| REINFORCEMENT BAR LIST |  |  |  | TOTAL   |  | BENDING DIAGRAM                    |  |
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| USE BARS FOR           |  |  |  | LENGTH  |  | ALL DIMENSIONS ARE TO FACE OF BARS |  |
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| NOTE: 1. ALL DIMENSIONS ARE IN INCHES.<br>2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. |     |      |



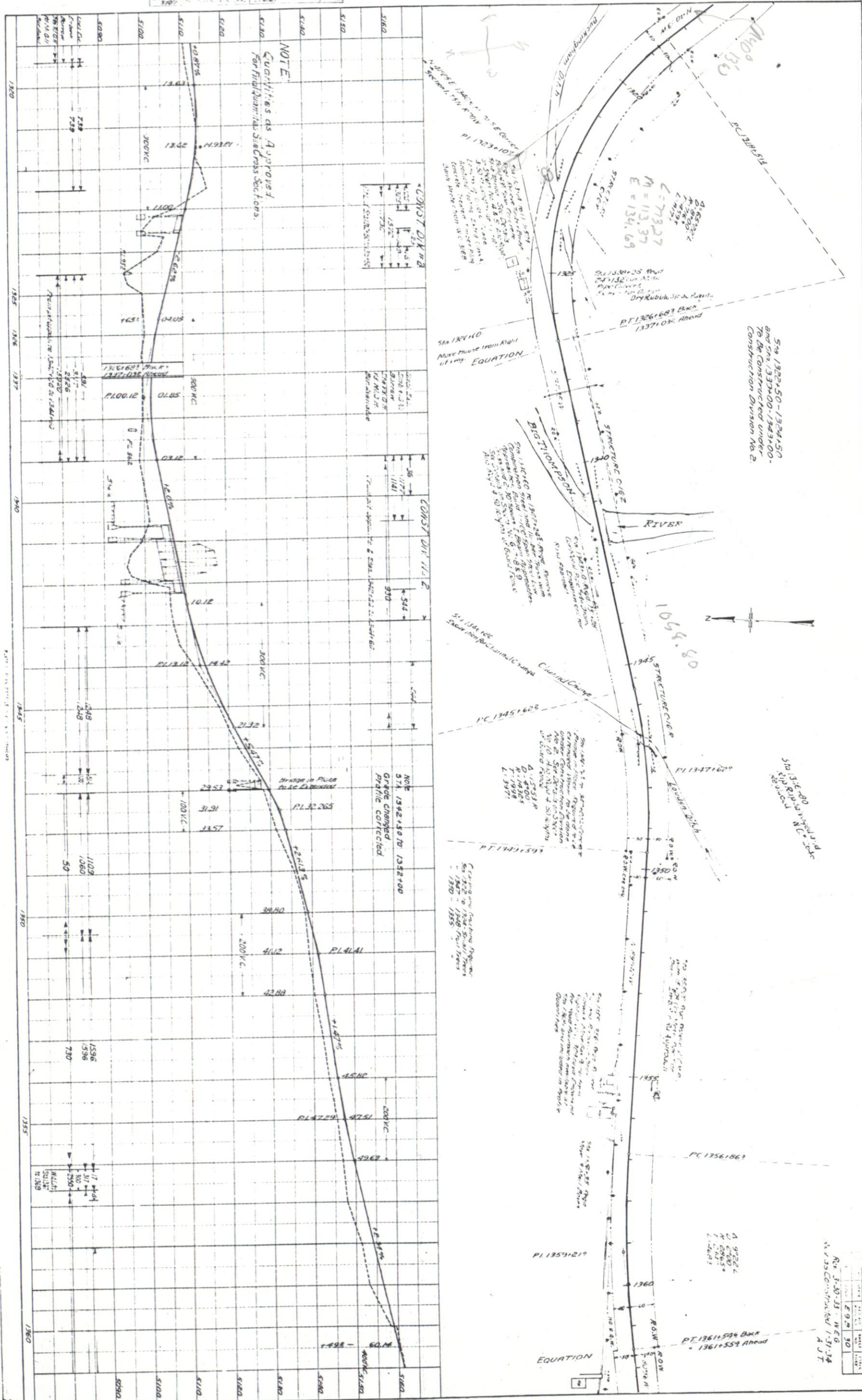




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| NAME                          | P. J. A. N. | SHEET  | 100% |
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| Mr. J. S. Combs 2-1-34 A.S.T. |             |        |      |



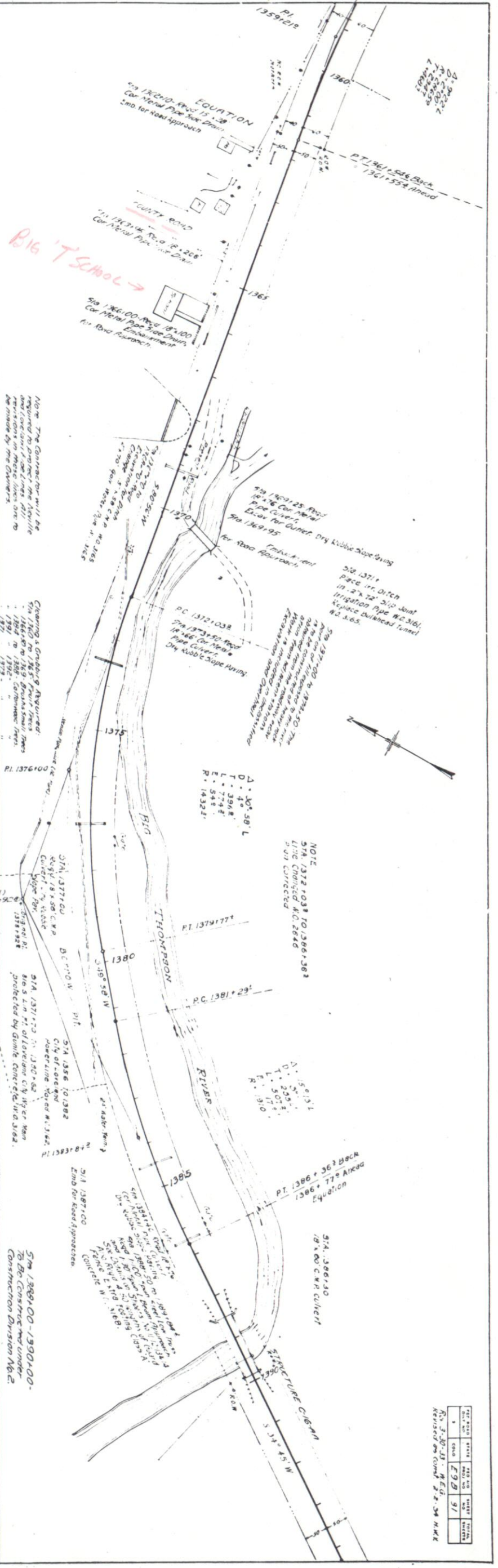
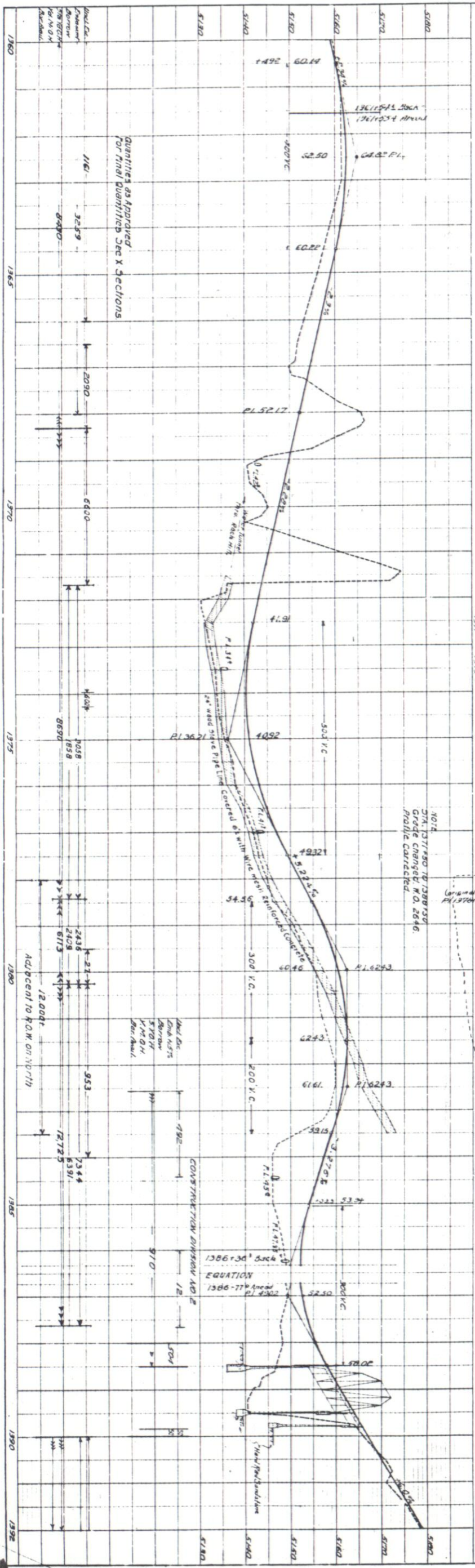
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NOTE: The Contractor will be required to protect the existing and proposed lines and to be made by the Engineer.

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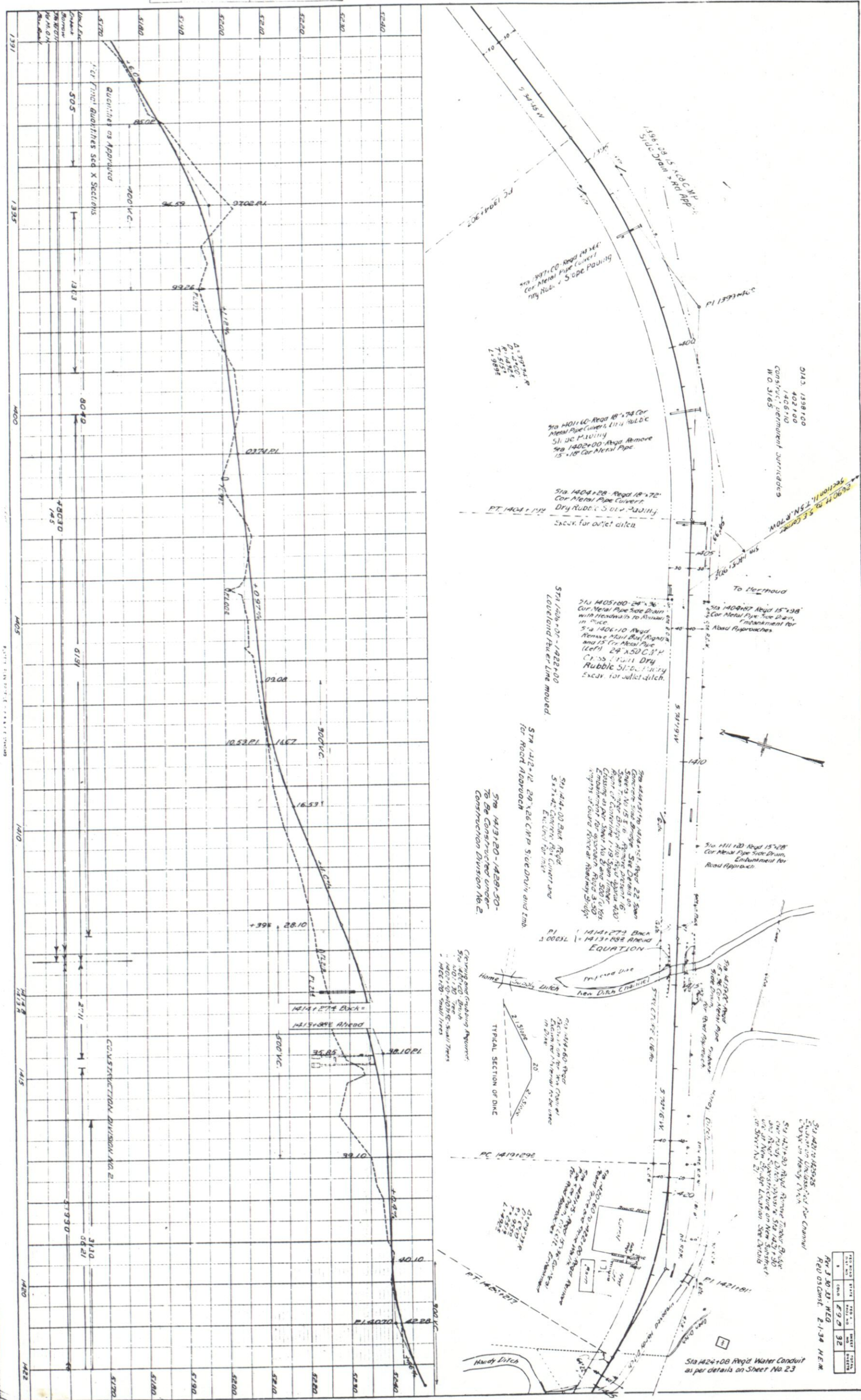
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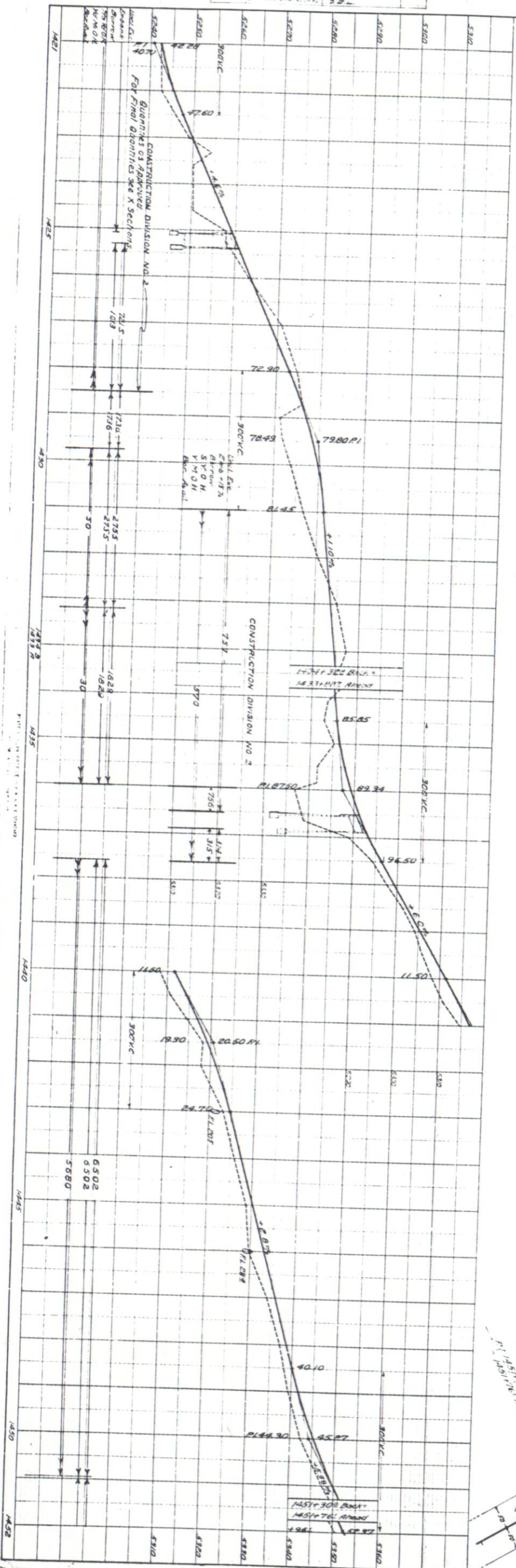
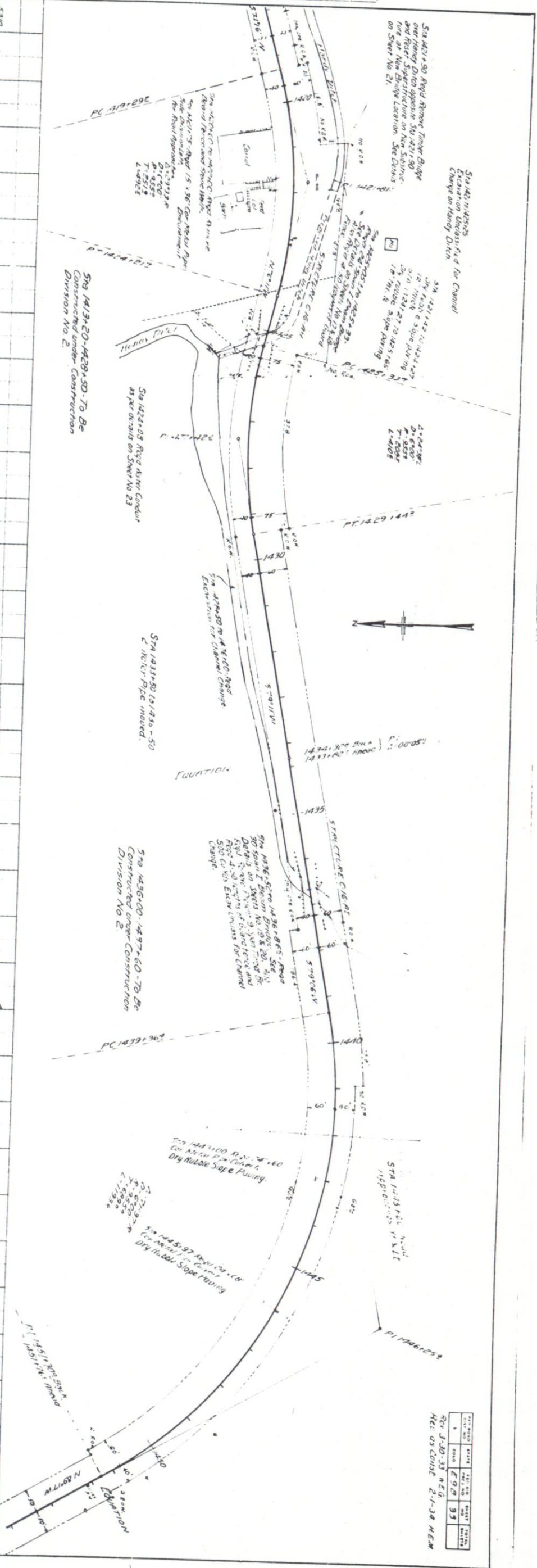


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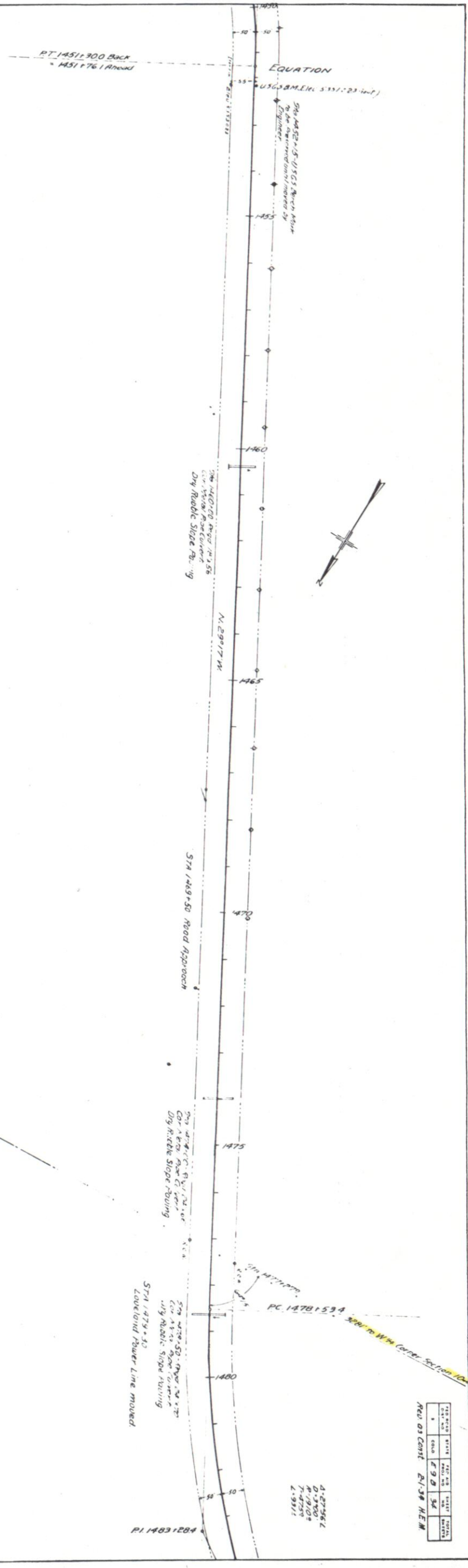
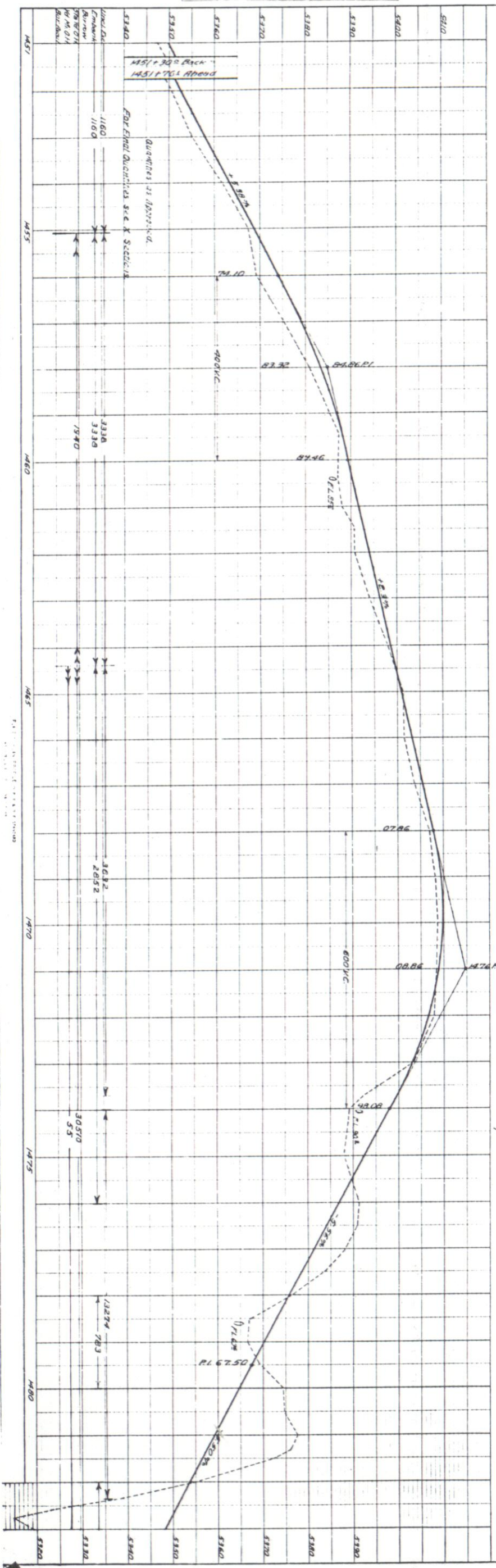
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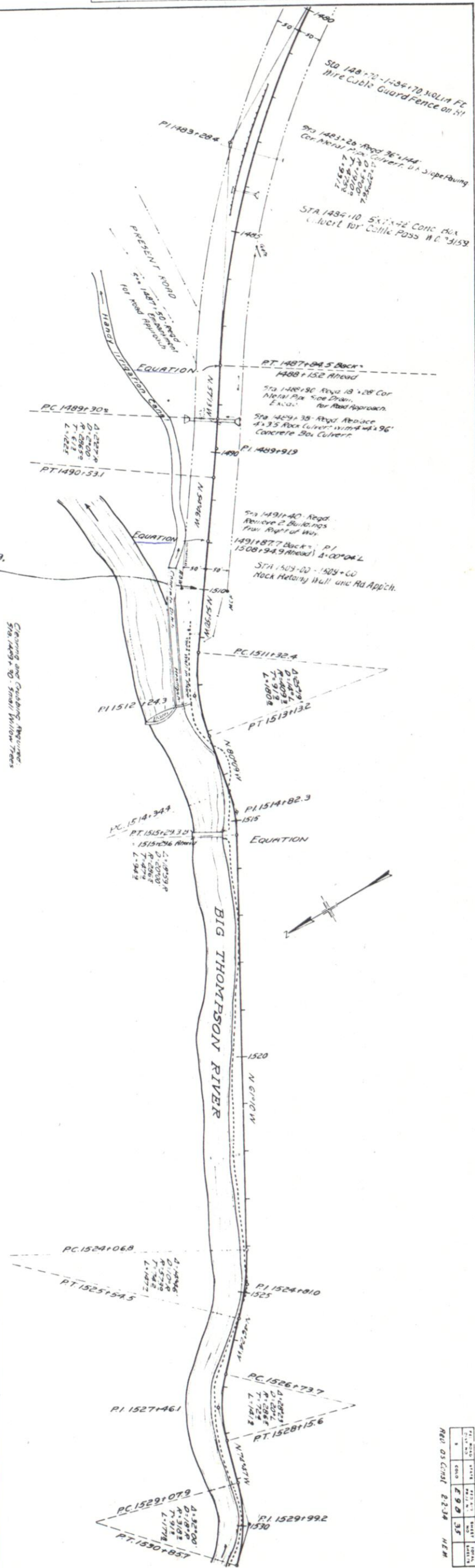
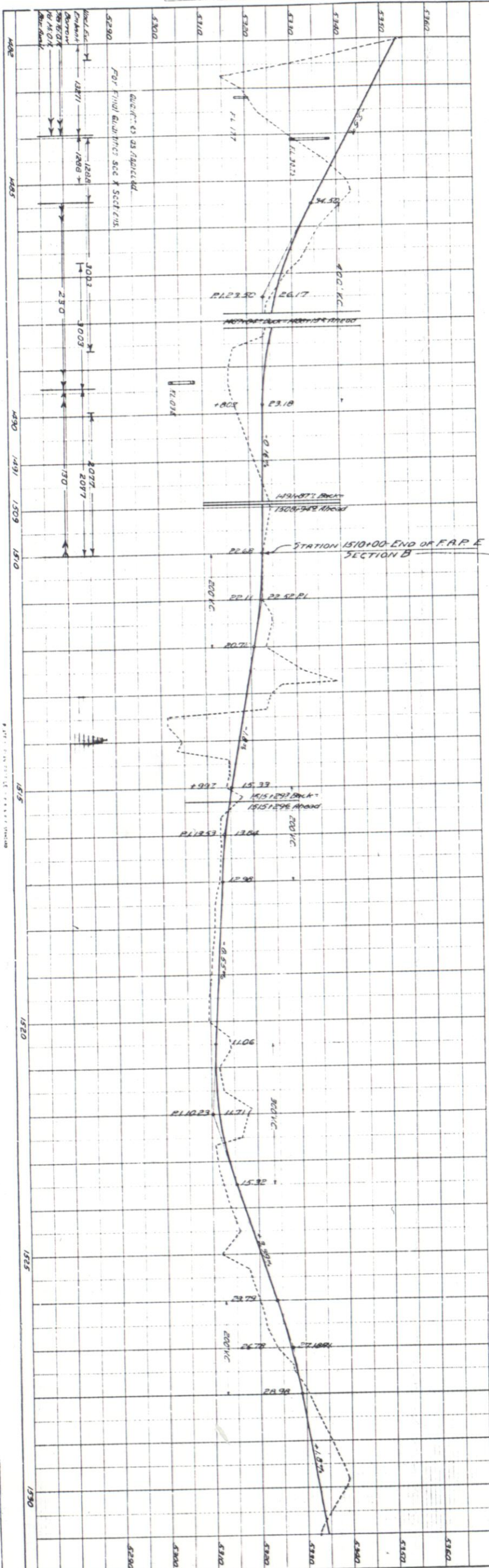


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| PROFILE                | DATE                   |
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| BY: J. H. HARRIS       | BY: J. H. HARRIS       |
| CHECKED: J. H. HARRIS  | CHECKED: J. H. HARRIS  |
| APPROVED: J. H. HARRIS | APPROVED: J. H. HARRIS |

| PLAN                   | DATE                   |
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| APPROVED: J. H. HARRIS | APPROVED: J. H. HARRIS |



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